

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102618\
 Data File : VN052023.D
 Acq On : 26 Oct 2018 13:00
 Operator : MD\SY
 Sample : VN1026WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2018 3:46:33 PM

Quant Time: Oct 27 00:04:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1211689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1750478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1605772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	777363	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	524431	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	7.59	113	563198	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.09	98	2036415	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	643835	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	234776	30.533	ug/l	99
3) Chloromethane	2.06	50	160129	23.129	ug/l	99
4) Vinyl Chloride	2.19	62	195036	21.017	ug/l	99
5) Bromomethane	2.57	94	188315	21.194	ug/l	99
6) Chloroethane	2.71	64	137154	19.907	ug/l	99
7) Trichlorofluoromethane	3.02	101	349351	21.127	ug/l	96
8) Diethyl Ether	3.41	74	96905	19.711	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	206622	20.859	ug/l	96
10) Methyl Iodide	3.96	142	321535	21.940	ug/l	98
11) Tert butyl alcohol	4.78	59	39767	71.205	ug/l	98
12) 1,1-Dichloroethene	3.74	96	187699	21.159	ug/l	97
13) Acrolein	3.61	56	26038	106.194	ug/l	96
14) Allyl chloride	4.33	41	183286	19.526	ug/l	97
15) Acrylonitrile	4.99	53	226916	96.249	ug/l	99
16) Acetone	3.82	43	162856	91.596	ug/l	99
17) Carbon Disulfide	4.06	76	434385	20.600	ug/l	100
18) Methyl Acetate	4.33	43	94431	15.916	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	474874	19.939	ug/l	95
20) Methylene Chloride	4.55	84	207104	19.856	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	209850	20.888	ug/l	95
22) Diisopropyl ether	5.95	45	436298	20.315	ug/l	99
23) Vinyl Acetate	5.90	43	1494446	102.293	ug/l	100
24) 1,1-Dichloroethane	5.85	63	319459	20.375	ug/l	98
25) 2-Butanone	6.84	43	241486	95.272	ug/l	99
26) 2,2-Dichloropropane	6.83	77	283720	19.778	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	241348	20.564	ug/l	98
28) Bromochloromethane	7.19	49	127111	20.115	ug/l	94
29) Tetrahydrofuran	7.21	42	155030	90.274	ug/l	98
30) Chloroform	7.37	83	386003	20.162	ug/l	99
31) Cyclohexane	7.66	56	276429	20.402	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	354215	20.233	ug/l	99
36) 1,1-Dichloropropene	7.80	75	270566	20.150	ug/l	99
37) Ethyl Acetate	6.93	43	116770	18.245	ug/l	97
38) Carbon Tetrachloride	7.77	117	310077	20.115	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	332014	20.244	ug/l	98
40) Benzene	8.04	78	825815	20.713	ug/l	99
41) Methacrylonitrile	7.18	41	65197	21.607	ug/l	87
42) 1,2-Dichloroethane	8.13	62	255939	20.022	ug/l	100
43) Isopropyl Acetate	8.17	43	217457	19.337	ug/l #	86
44) Trichloroethene	8.84	130	269874	21.089	ug/l	92
45) 1,2-Dichloropropane	9.12	63	187668	20.809	ug/l	99
46) Dibromomethane	9.21	93	144869	19.927	ug/l	96
47) Bromodichloromethane	9.40	83	276040	20.104	ug/l	99
48) Methyl methacrylate	9.20	41	102092	18.783	ug/l	97
49) 1,4-Dioxane	9.20	88	28409	285.039	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	583113	94.268	ug/l	100
52) Toluene	10.16	92	562587	20.809	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	250931	18.694	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	291451	20.309	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	204054	20.428	ug/l	98
56) Ethyl methacrylate	10.43	69	210188	19.575	ug/l	98
57) 1,3-Dichloropropane	10.71	76	300817	19.837	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	546946	97.351	ug/l	99
59) 2-Hexanone	10.75	43	384163	92.433	ug/l	100
60) Dibromochloromethane	10.90	129	223209	18.801	ug/l	99
61) 1,2-Dibromoethane	11.01	107	211028	20.037	ug/l	99
64) Tetrachloroethene	10.63	164	254641	20.661	ug/l	98
65) Chlorobenzene	11.43	112	664174	20.486	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	242704	20.827	ug/l	100
67) Ethyl Benzene	11.51	91	1052745	20.201	ug/l	99
68) m/p-Xylenes	11.62	106	858389	41.225	ug/l	99
69) o-Xylene	11.95	106	421642	20.822	ug/l	97
70) Styrene	11.96	104	660124	20.396	ug/l	99
71) Bromoform	12.13	173	135753	18.245	ug/l #	99
73) Isopropylbenzene	12.25	105	1099023	22.292	ug/l	100
74) N-amyl acetate	12.07	43	182395	18.796	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	201598	19.790	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	170662m	21.254	ug/l	
77) Bromobenzene	12.53	156	313009	23.005	ug/l	94
78) n-propylbenzene	12.59	91	1156053	21.737	ug/l	99
79) 2-Chlorotoluene	12.67	91	681526	22.006	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	873321	22.079	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	43203	18.522	ug/l	98
82) 4-Chlorotoluene	12.77	91	691427	21.563	ug/l	100
83) tert-Butylbenzene	12.99	119	810089	21.654	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	875561	21.460	ug/l	99
85) sec-Butylbenzene	13.17	105	1037495	21.234	ug/l	100
86) p-Isopropyltoluene	13.29	119	930086	21.144	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	520328	20.735	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	513132	20.741	ug/l	99
89) n-Butylbenzene	13.61	91	683861	19.524	ug/l	99
90) Hexachloroethane	13.87	117	135013	20.602	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	488058	20.104	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22390	14.315	ug/l	97

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VN1026WBSD01

Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	180408	12.581	ug/l	97
94) Hexachlorobutadiene	15.01	225	116620	15.827	ug/l	99
95) Naphthalene	15.13	128	331847	10.656	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	142288	10.381	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

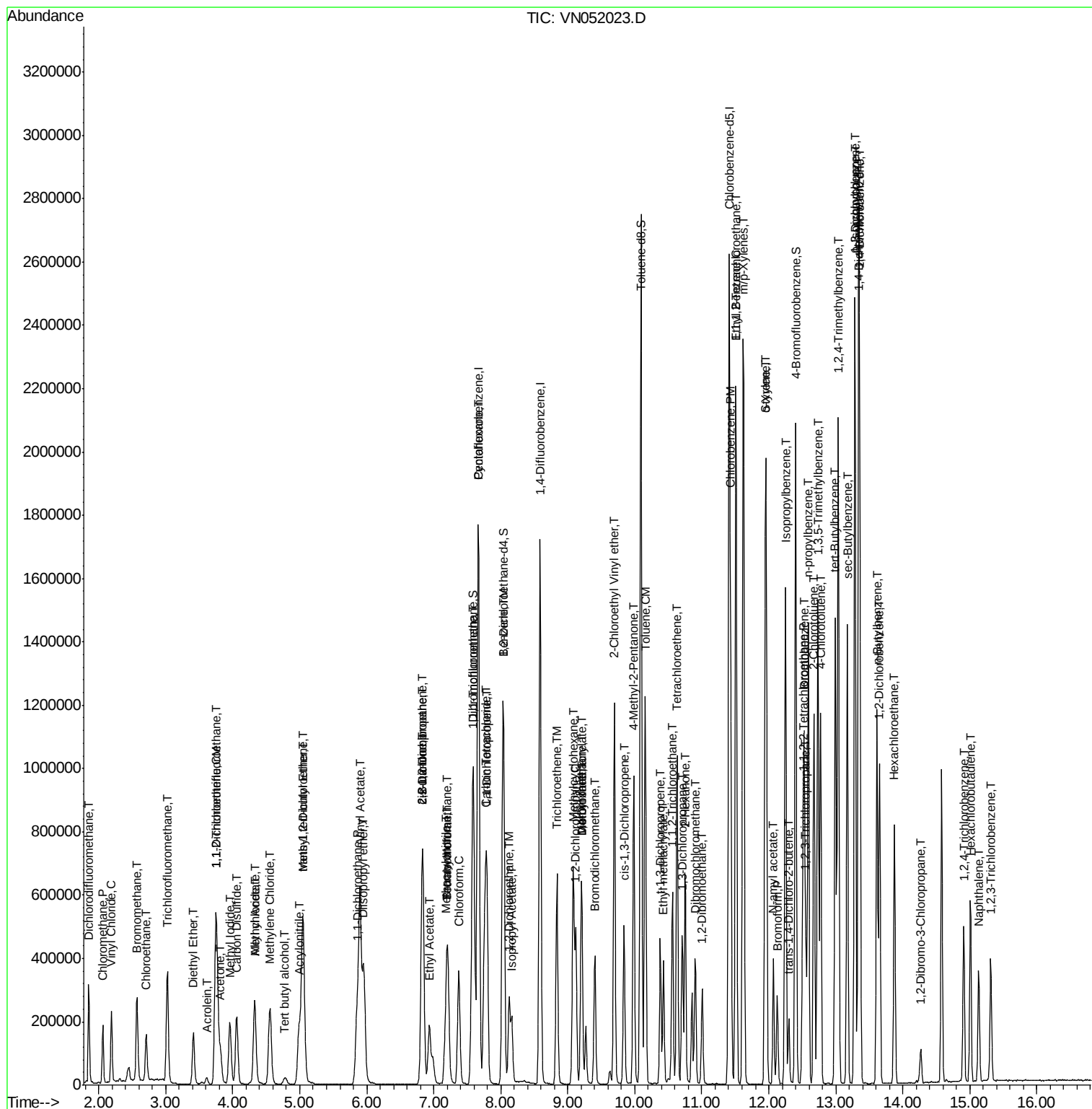
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102618\
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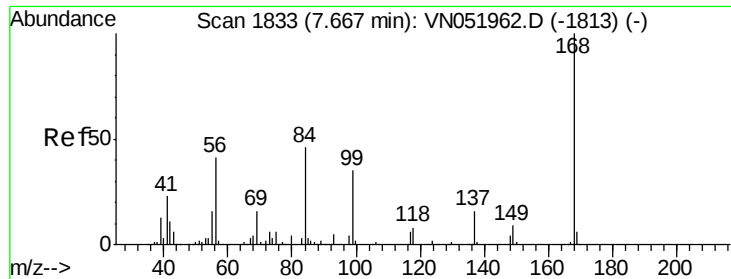
Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion:168 Resp: 1211689

Ion Ratio Lower Upper

168 100

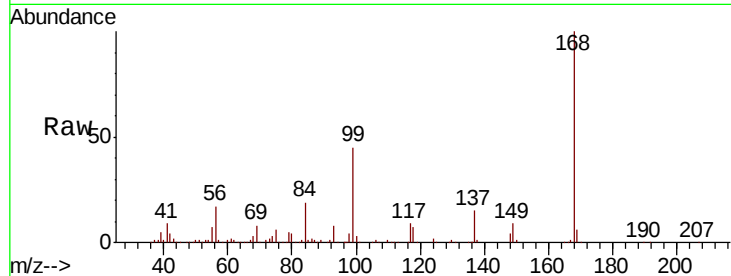
99 44.9 37.8 56.6

Manual Integrations

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10/29/2018 3:46:33 PM



Abundance Ion 167.90 (167.60 to 168.60): VN051962.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051962.D (-1813) (-)

600000

500000

400000

300000

200000

100000

0

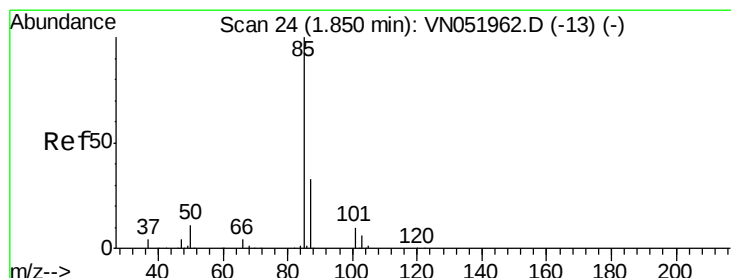
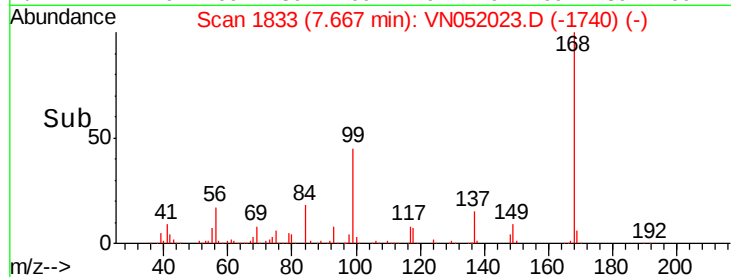
7.67

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 30.533 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052023.D

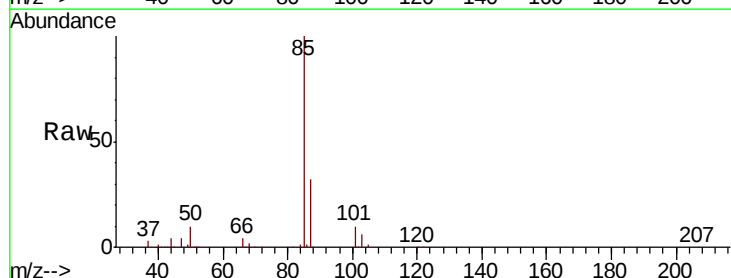
Acq: 26 Oct 2018 13:00

Tgt Ion: 85 Resp: 234776

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN051962.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN051962.D (-13) (-)

200000

150000

100000

50000

0

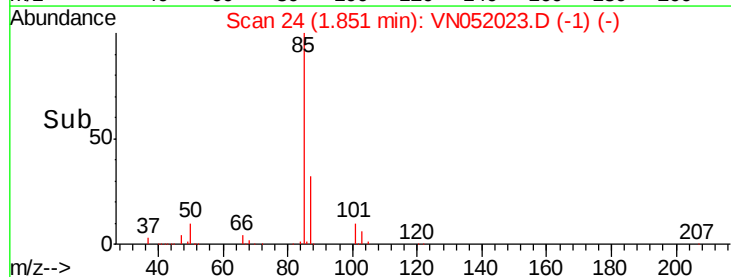
1.85

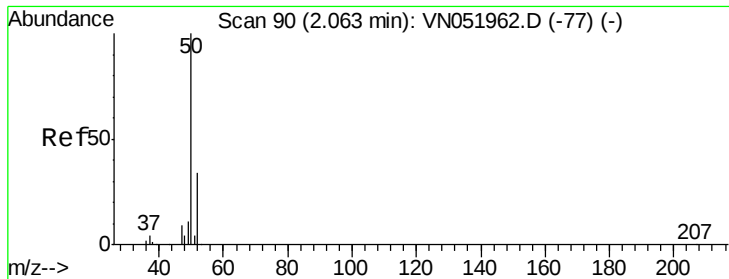
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 23.129 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 50 Resp: 160129

Ion Ratio Lower Upper

50 100

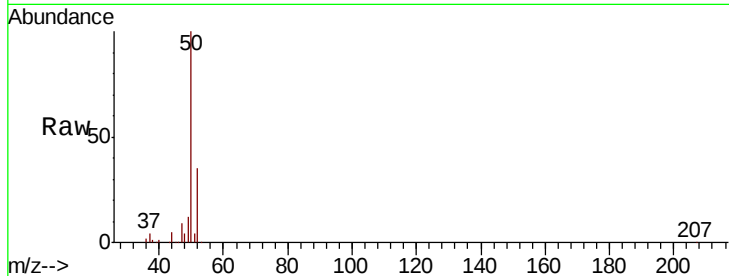
52 34.8 27.5 41.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

120000

100000

80000

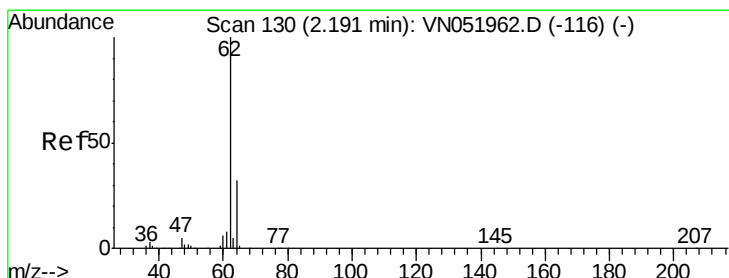
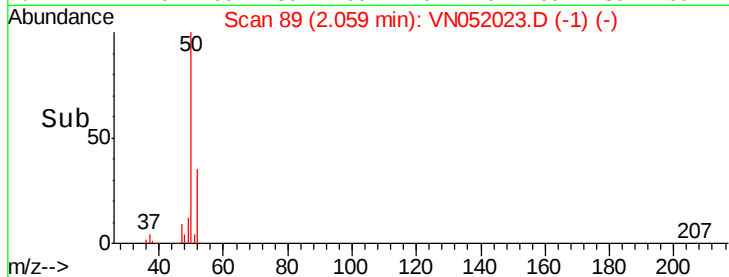
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 21.017 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052023.D

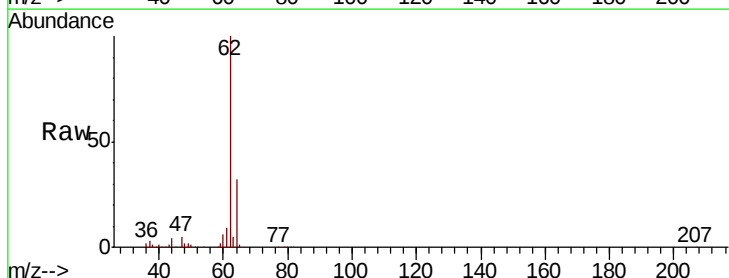
Acq: 26 Oct 2018 13:00

Tgt Ion: 62 Resp: 195036

Ion Ratio Lower Upper

62 100

64 31.8 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

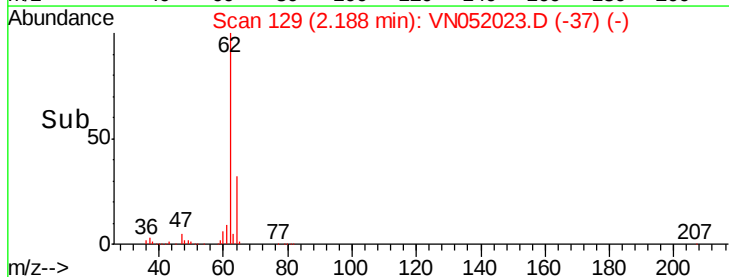
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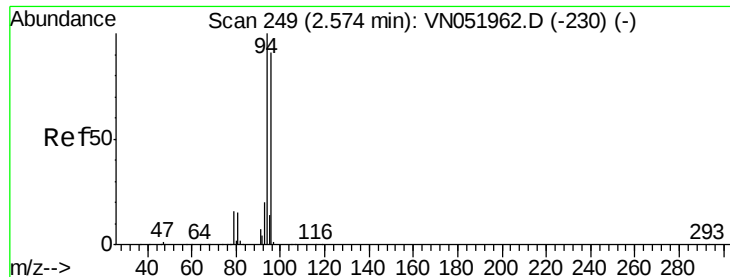
100000

50000

0

Time-->





#5

Bromomethane

Concen: 21.194 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 94 Resp: 188315

Ion Ratio Lower Upper

94 100

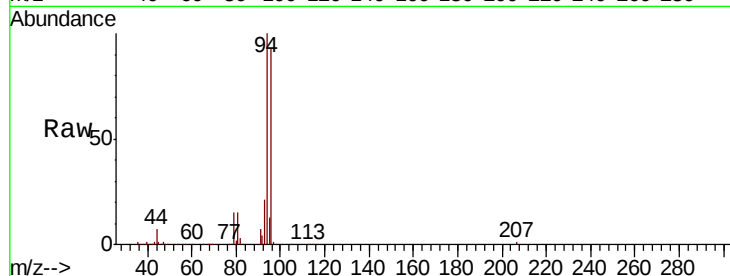
96 92.4 73.0 109.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

100000

80000

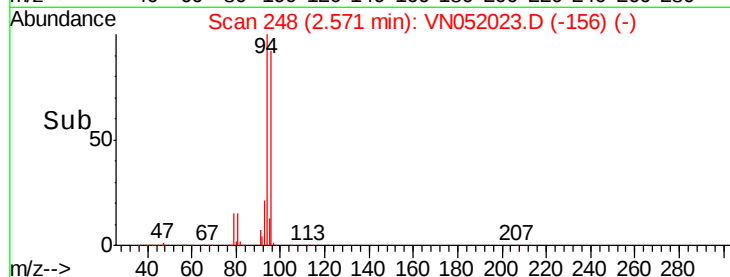
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40000

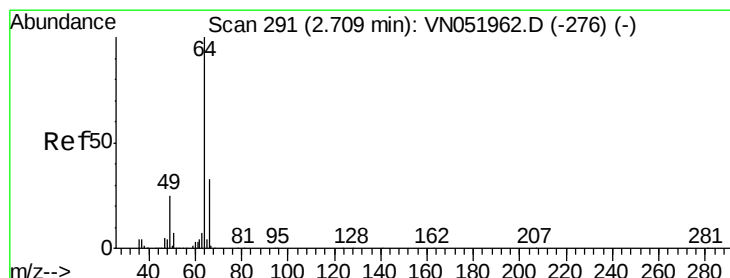
20000

0

Time-->



Time-->



#6

Chloroethane

Concen: 19.907 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052023.D

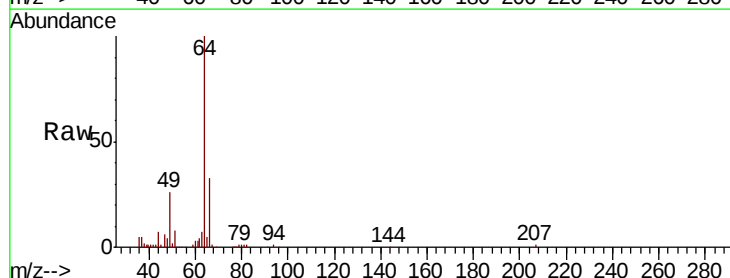
Acq: 26 Oct 2018 13:00

Tgt Ion: 64 Resp: 137154

Ion Ratio Lower Upper

64 100

66 33.3 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

80000

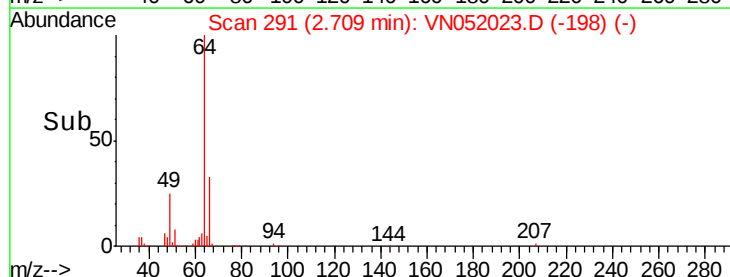
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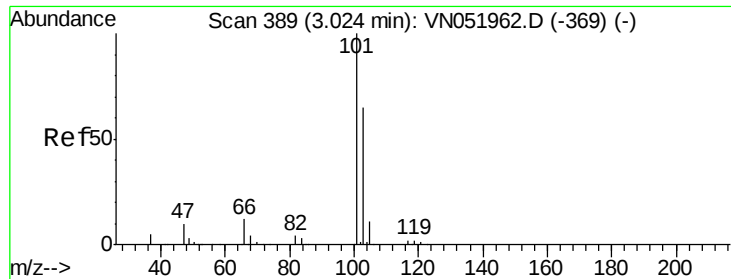
20000

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Time-->



Time-->



#7

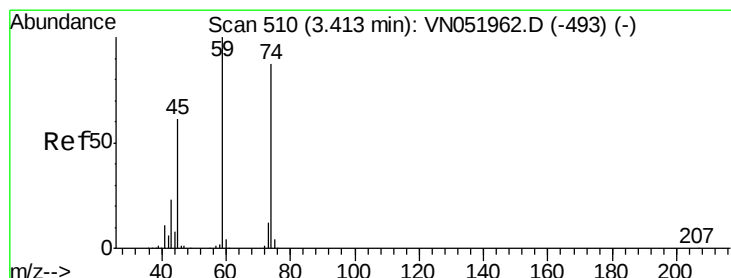
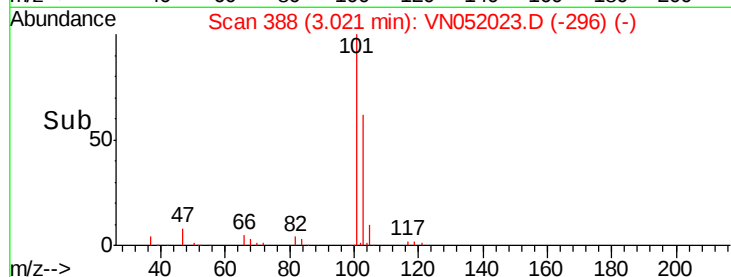
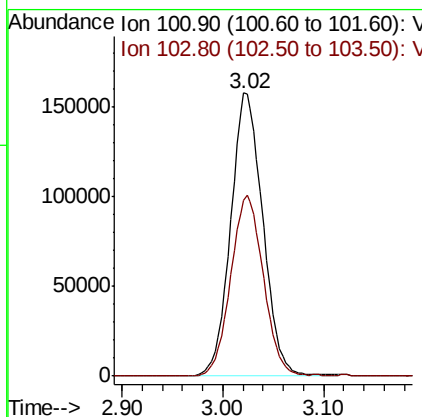
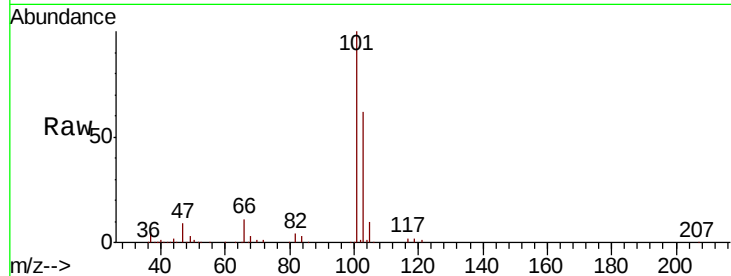
Trichlorofluoromethane
 Concen: 21.127 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Instrument :
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 VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	52.0	78.0

Manual Integrations
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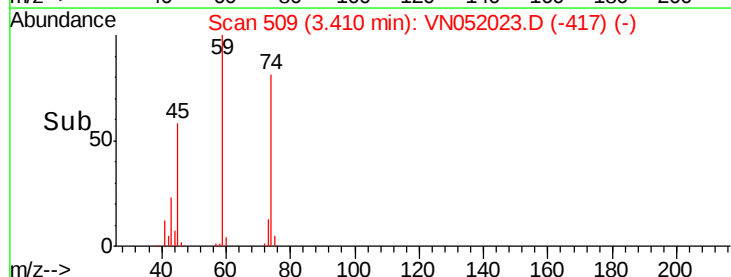
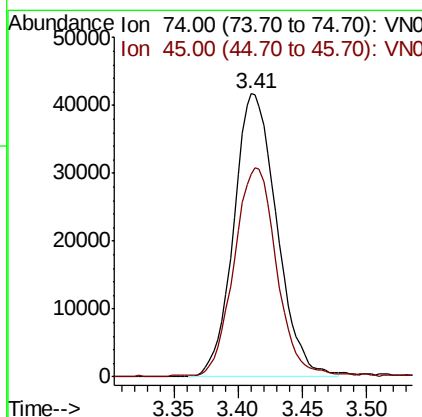
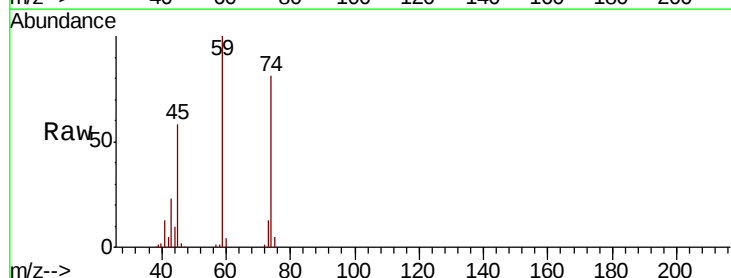
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 10/29/2018 3:46:33 PM

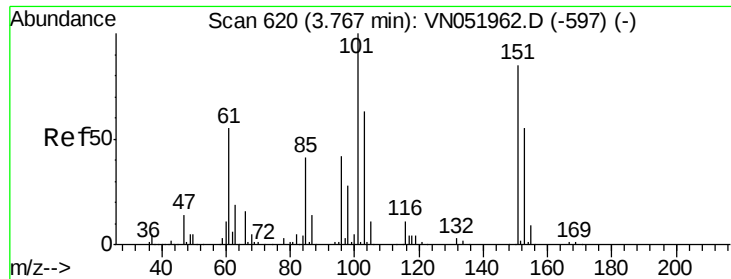


#8

Diethyl Ether
 Concen: 19.711 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	72.1	35.5	106.5





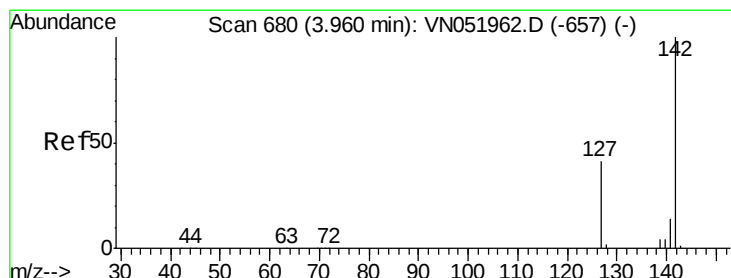
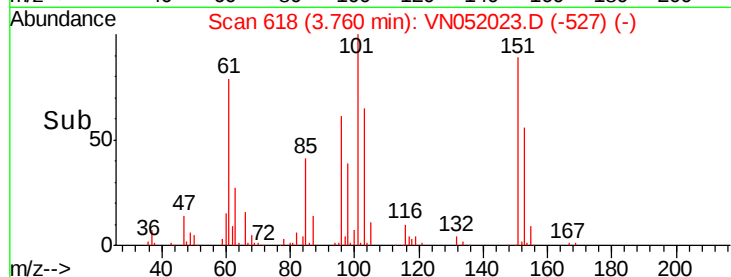
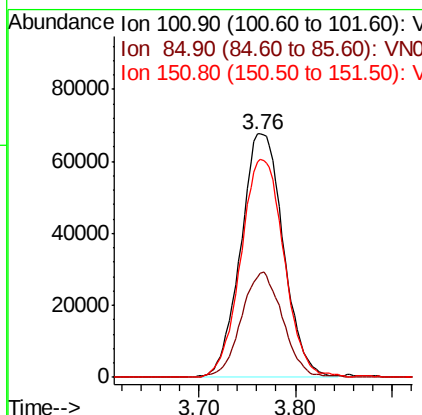
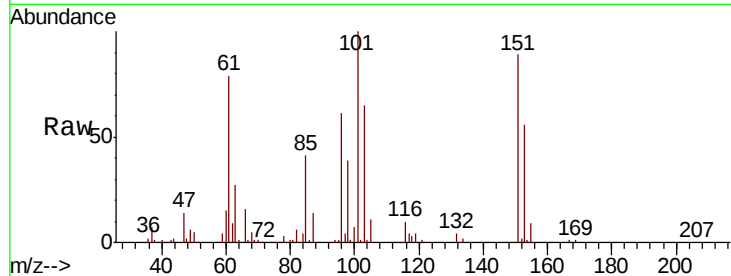
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.859 ug/l
RT: 3.76 min Scan# 618
Delta R.T. -0.01 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	206622		
85	41.9		34.2	51.4
151	91.0		69.1	103.7

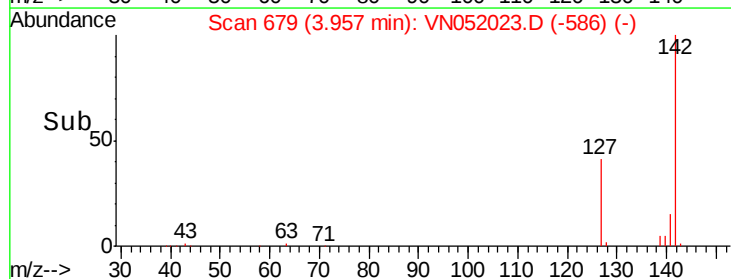
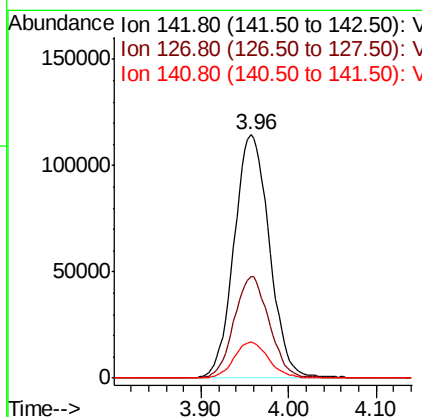
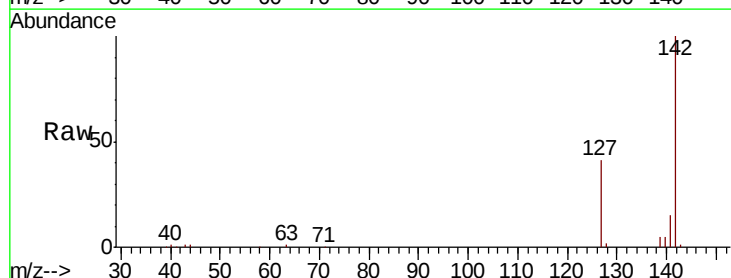
Manual Integrations
APPROVED

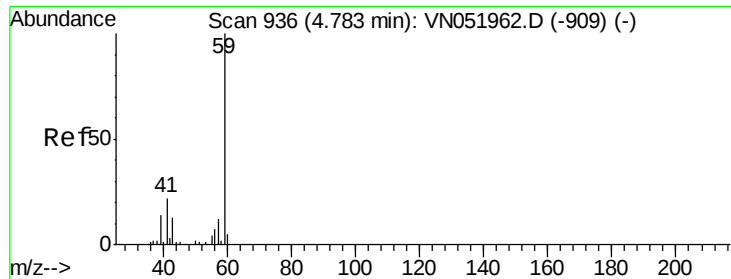
MMDadoda
10/29/2018 3:46:33 PM



#10
Methyl Iodide
Concen: 21.940 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	321535		
127	41.6		34.3	51.5
141	14.5		11.4	17.0





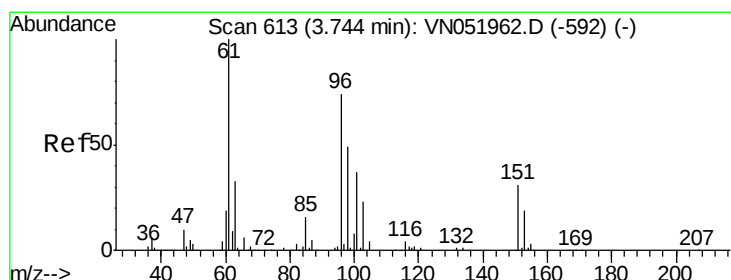
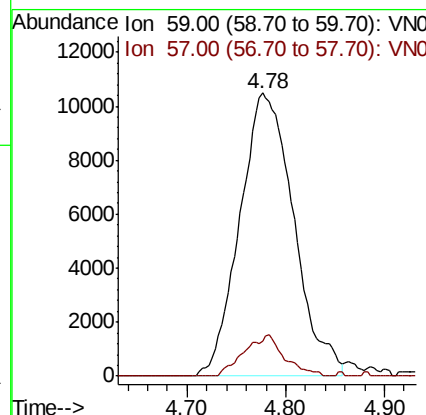
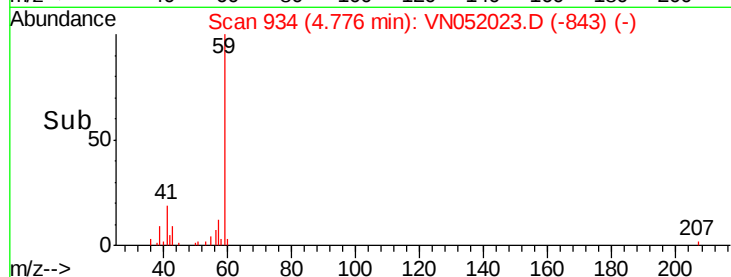
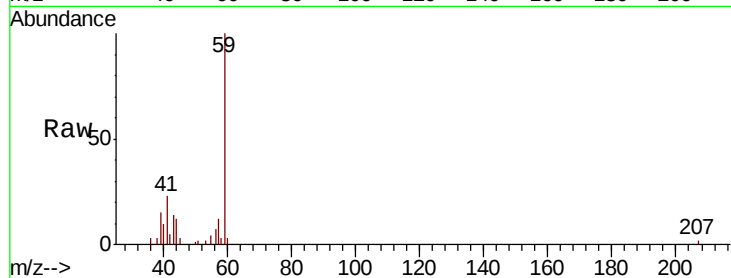
#11
Tert butyl alcohol
Concen: 71.205 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion: 59 Resp: 39767
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.4

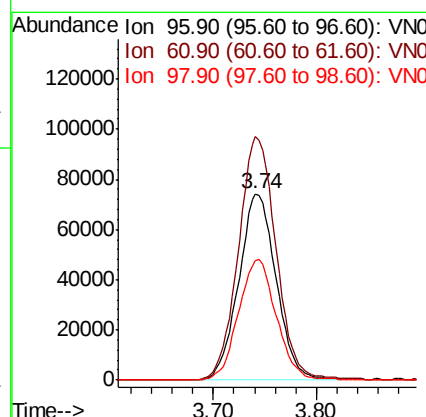
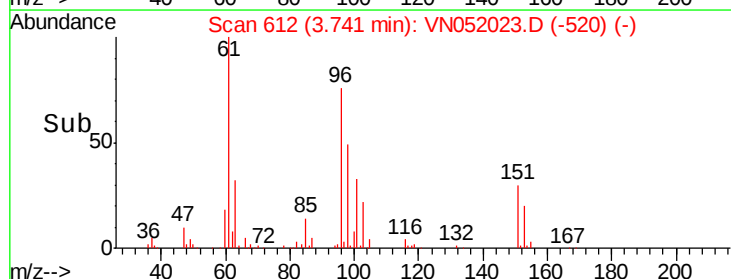
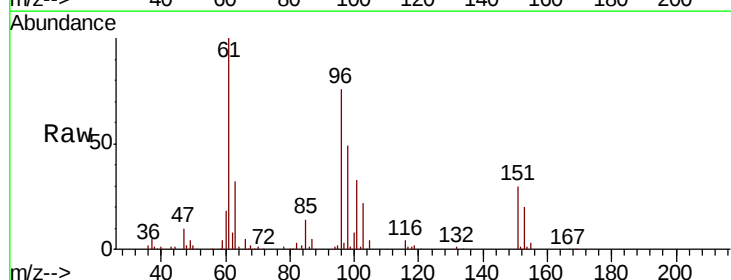
Manual Integrations
APPROVED

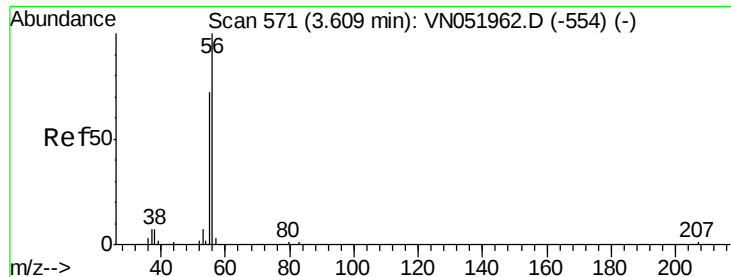
MMDadoda
10/29/2018 3:46:33 PM



#12
1,1-Dichloroethene
Concen: 21.159 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion: 96 Resp: 187699
Ion Ratio Lower Upper
96 100
61 130.9 107.8 161.8
98 64.4 52.7 79.1





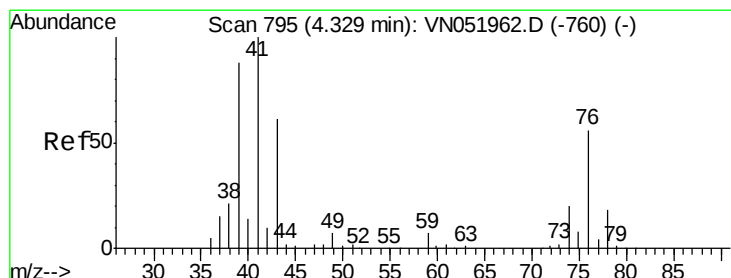
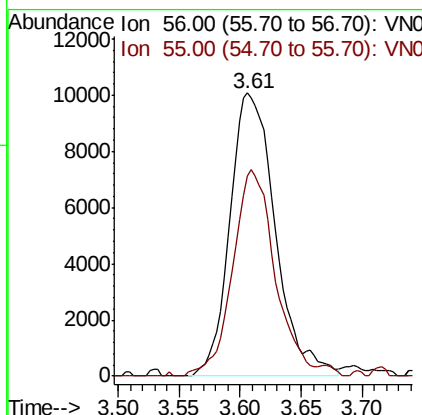
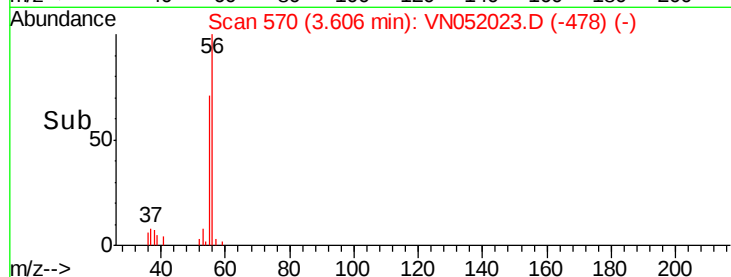
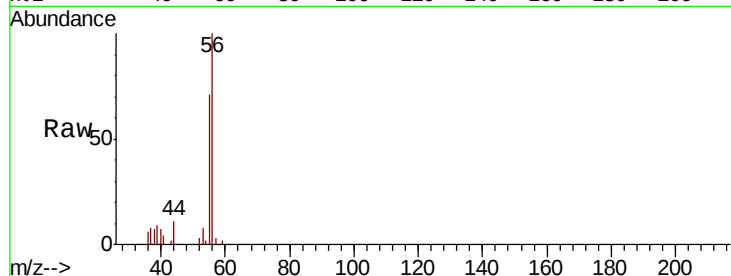
#13
Acrolein
Concen: 106.194 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	67.5	56.6	84.8

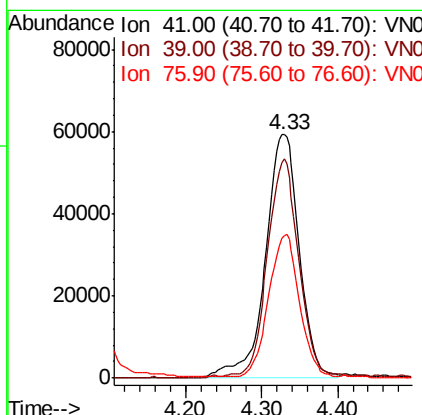
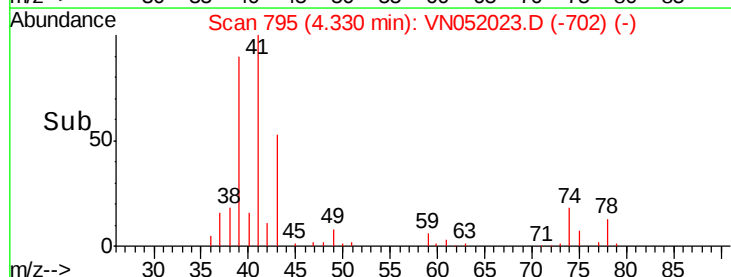
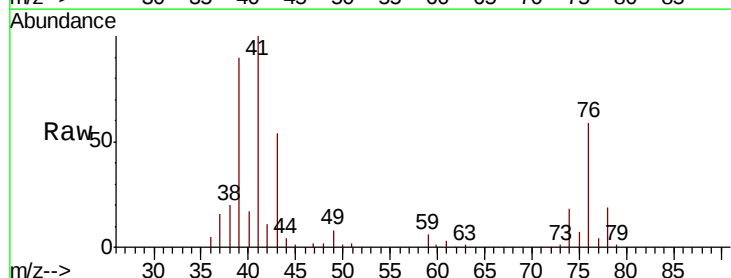
Manual Integrations
APPROVED

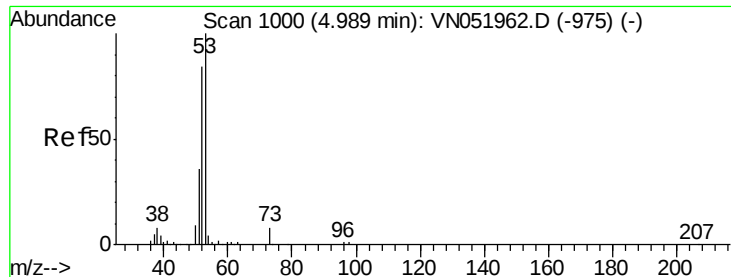
MMDadoda
10/29/2018 3:46:33 PM



#14
Allyl chloride
Concen: 19.526 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
41	100		
39	81.3	67.7	101.5
76	53.1	41.3	61.9





#15

Acrylonitrile

Concen: 96.249 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

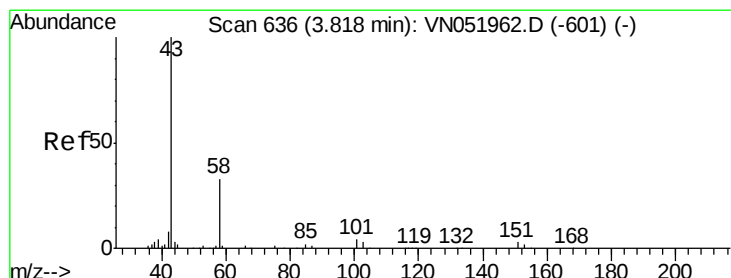
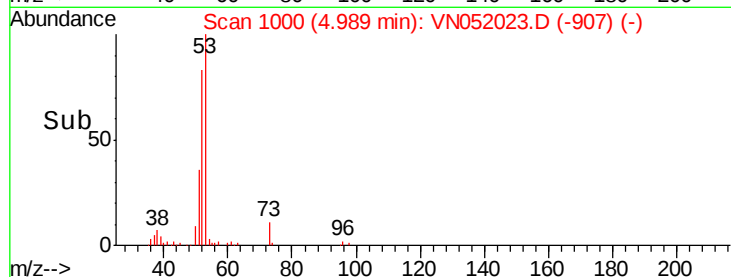
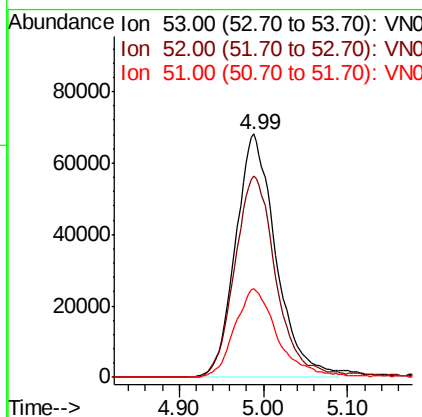
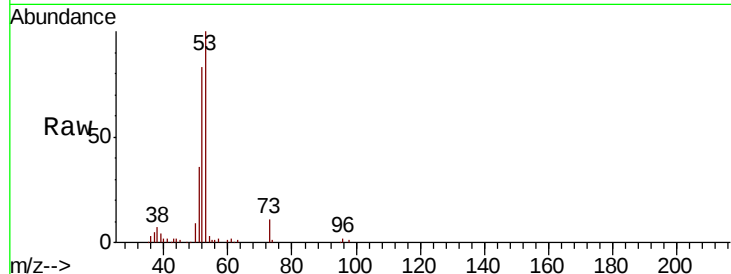
ClientSampleId :

VN1026WBSD01

Tot Ion:	53	Resp:	226916
Ion	Ratio	Lower	Upper
53	100		
52	84.4	67.0	100.4
51	38.5	29.5	44.3

Manual Integrations
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MMDadoda
10/29/2018 3:46:33 PM



#16

Acetone

Concen: 91.596 ug/l

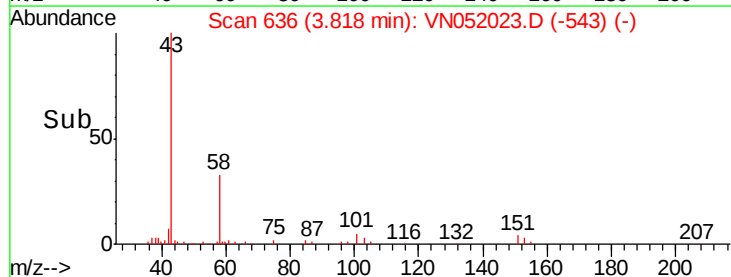
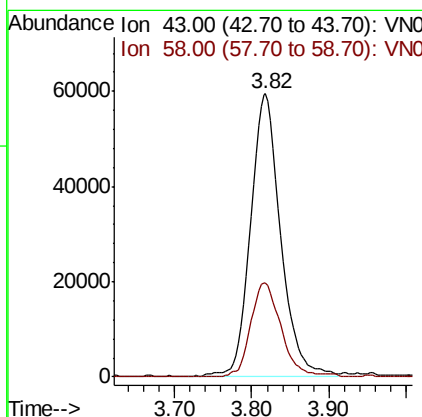
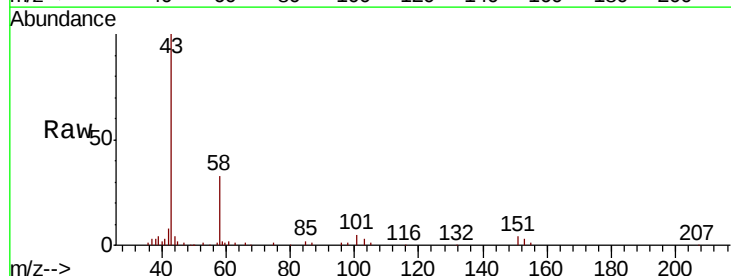
RT: 3.82 min Scan# 636

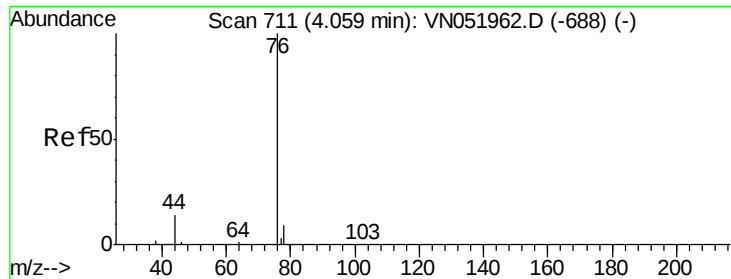
Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Tgt Ion:	43	Resp:	162856
Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.7	40.1





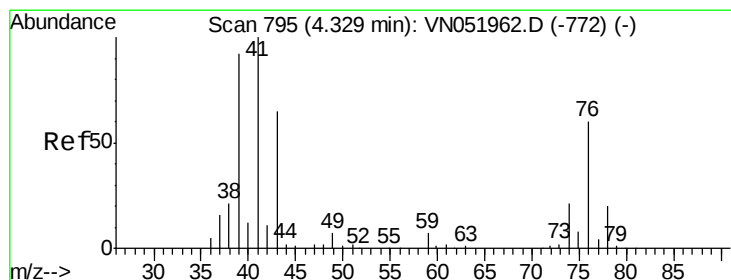
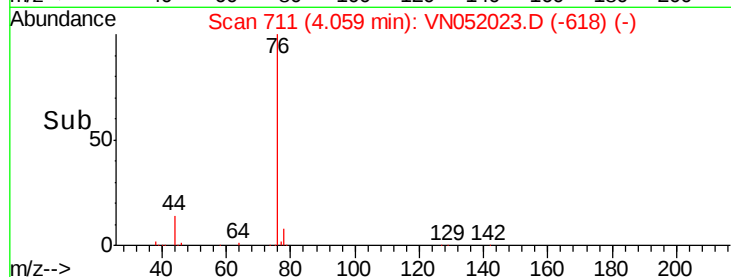
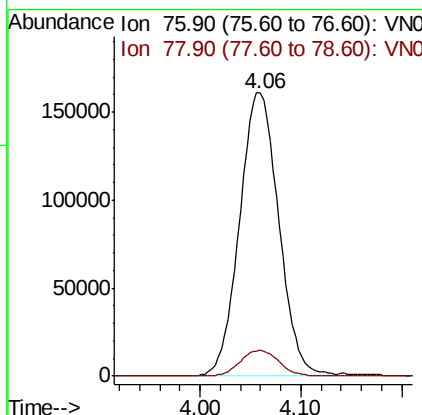
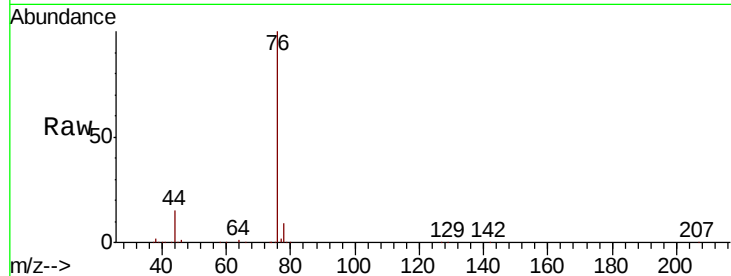
#17
Carbon Disulfide
Concen: 20.600 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

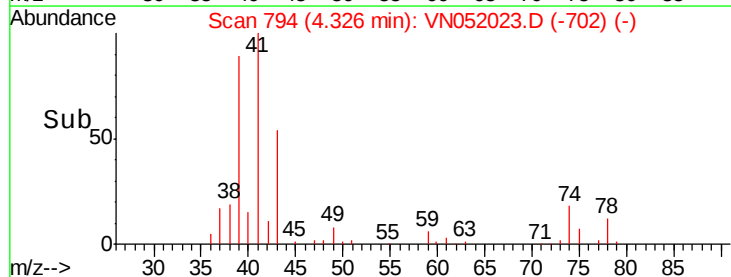
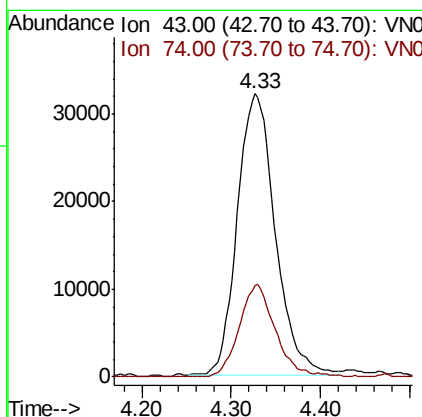
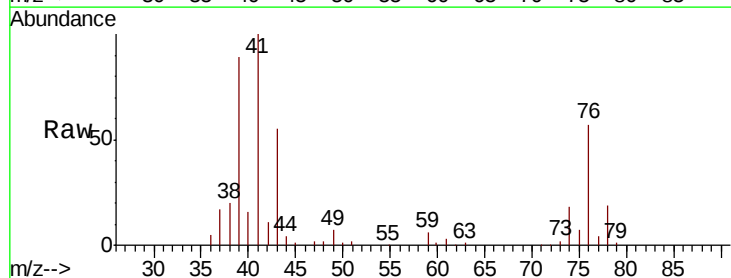
Manual Integrations
APPROVED

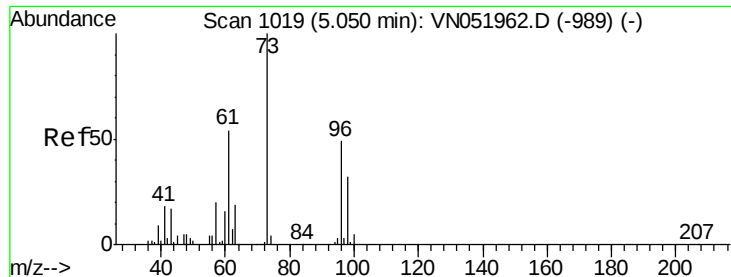
MMDadoda
10/29/2018 3:46:33 PM



#18
Methyl Acetate
Concen: 15.916 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.6	25.7	38.5





#19

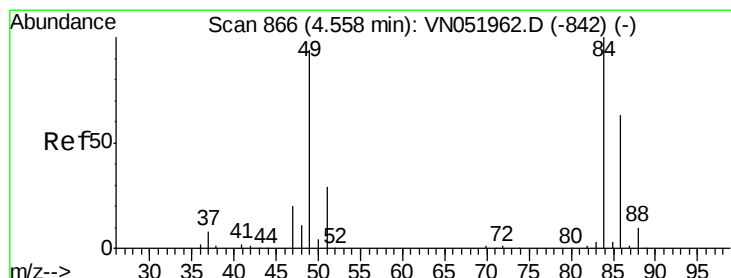
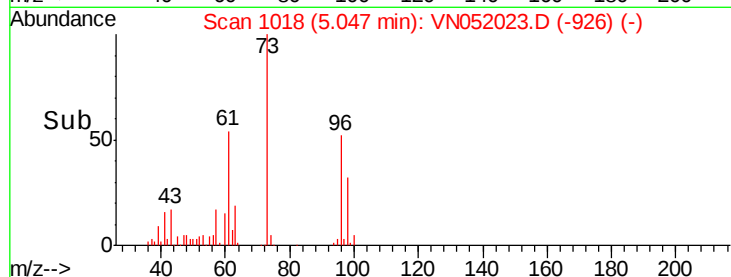
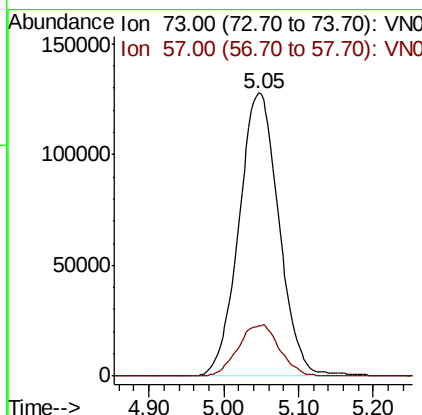
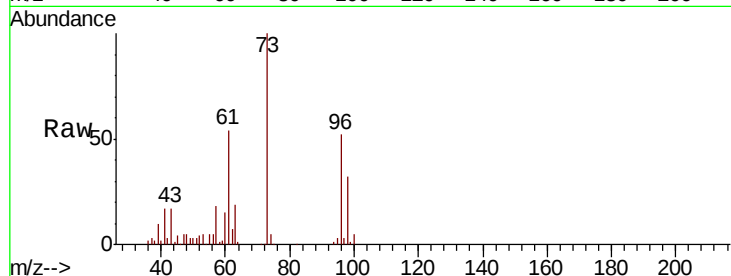
Methyl tert-butyl Ether
 Concen: 19.939 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.7	15.9	23.9

Manual Integrations
 APPROVED

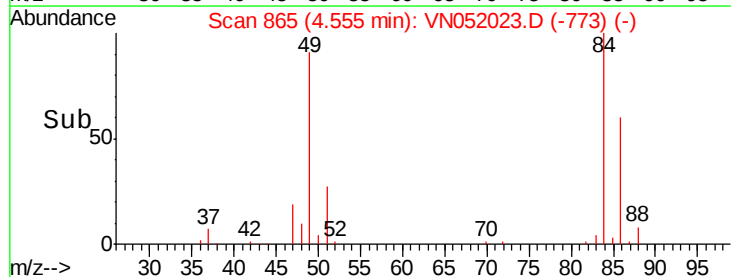
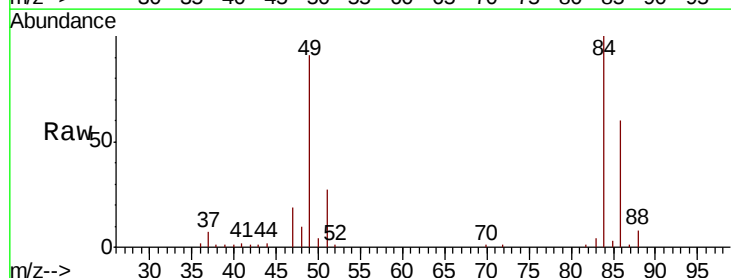
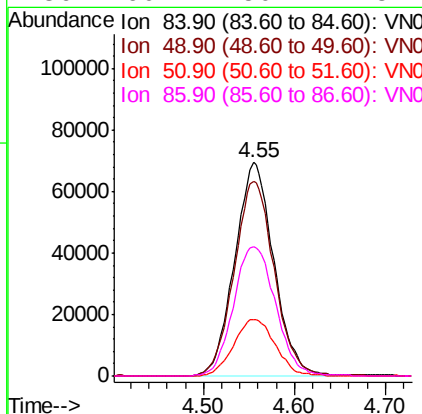
MMDadoda
 10/29/2018 3:46:33 PM

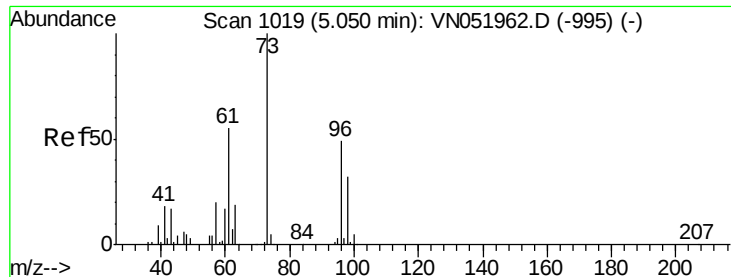


#20

Methylene Chloride
 Concen: 19.856 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	91.3	75.4	113.0
51	26.6	23.1	34.7
86	60.4	50.2	75.4





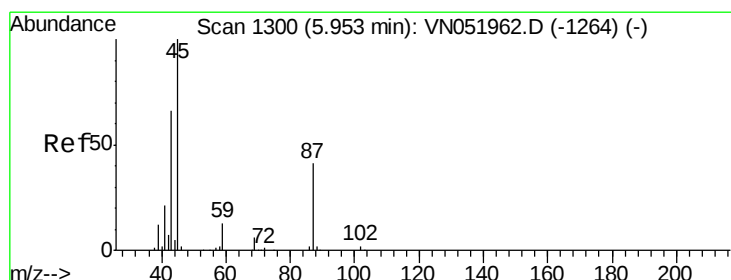
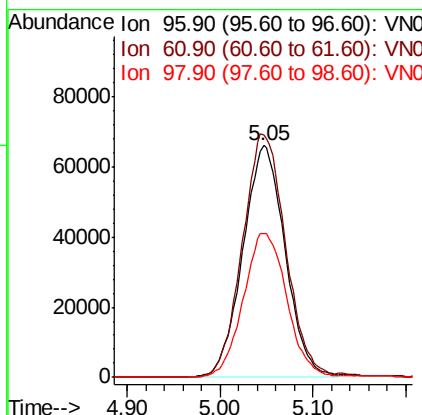
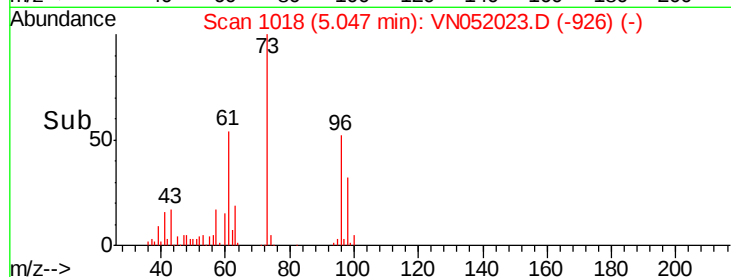
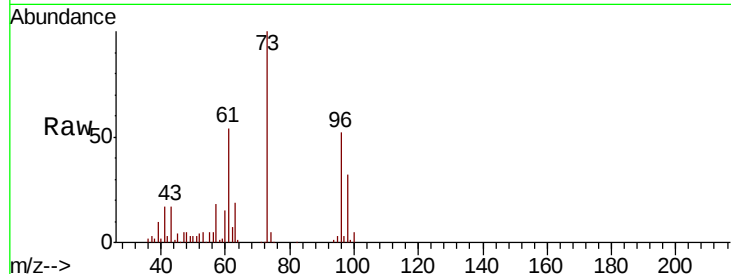
#21
trans-1,2-Dichloroethene
Concen: 20.888 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	104.9	89.0	133.4
98	62.3	51.8	77.8

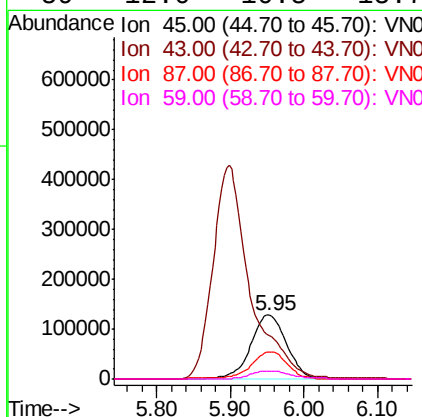
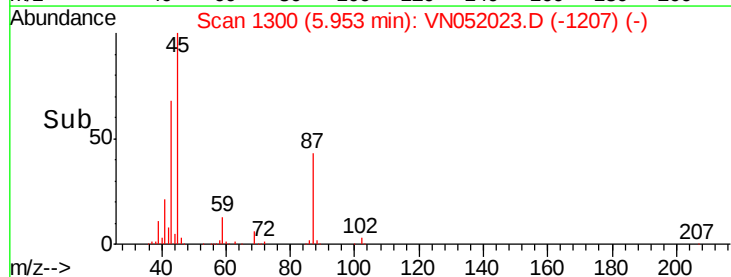
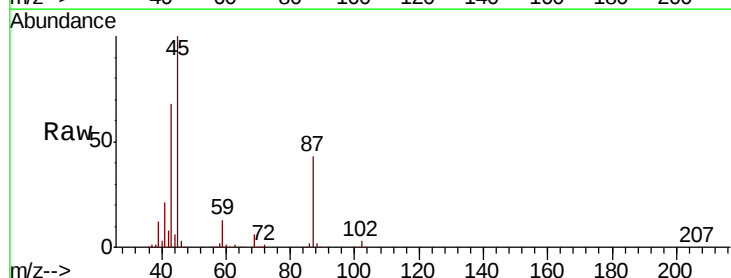
Manual Integrations
APPROVED

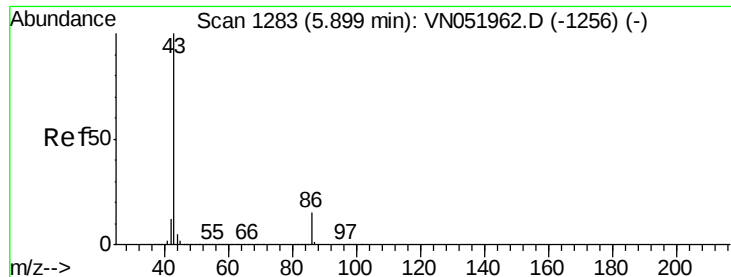
MMDadoda
10/29/2018 3:46:33 PM



#22
Diisopropyl ether
Concen: 20.315 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.7	52.9	79.3
87	42.7	33.4	50.0
59	12.0	10.5	15.7





#23

Vinyl Acetate

Concen: 102.293 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 43 Resp: 1494446

Ion Ratio Lower Upper

43 100

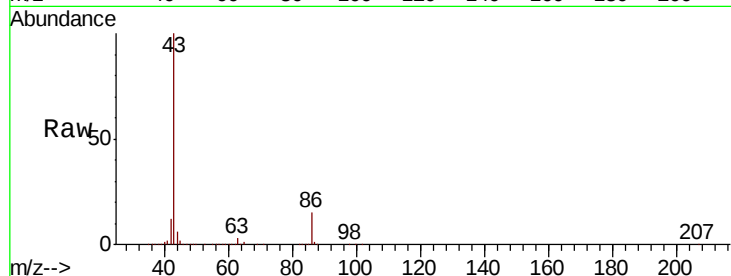
86 14.8 11.9 17.9

Manual Integrations

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MMDadoda

10/29/2018 3:46:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN051962.D (-1256) (-)

500000

400000

300000

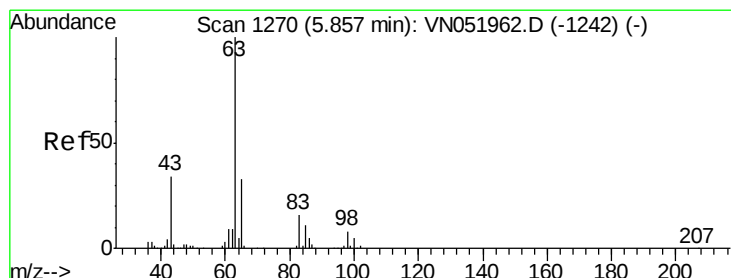
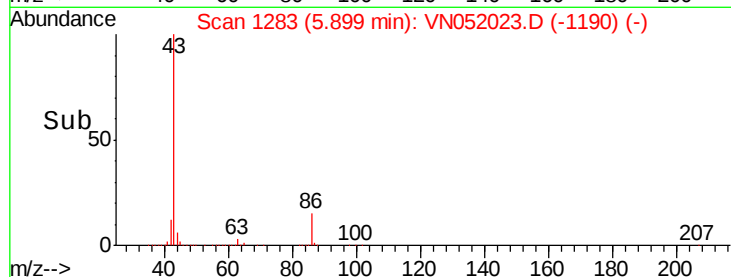
200000

100000

0

5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 20.375 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

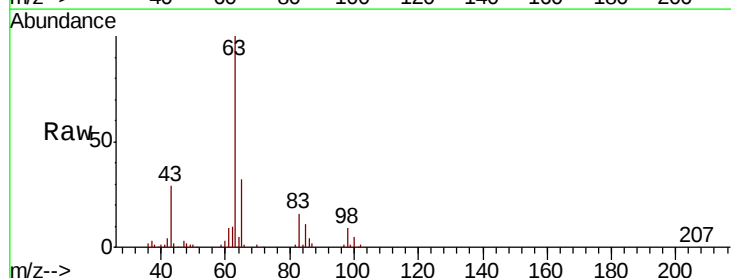
Tgt Ion: 63 Resp: 319459

Ion Ratio Lower Upper

63 100

98 8.9 3.9 11.7

100 5.4 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VN051962.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN051962.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN051962.D (-1242) (-)

120000

100000

80000

60000

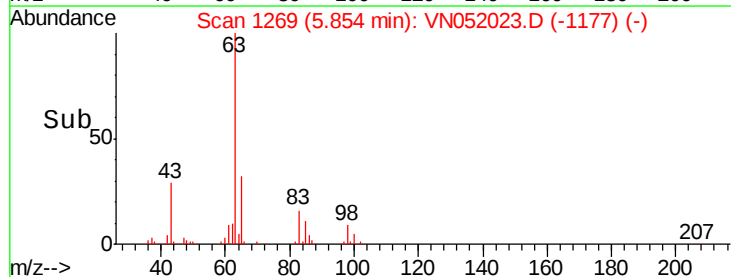
40000

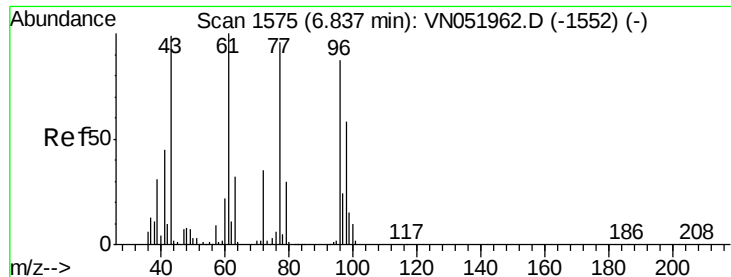
20000

0

5.70 5.80 5.90 6.00

Time-->





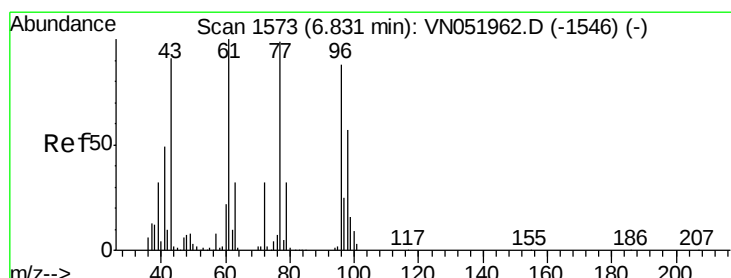
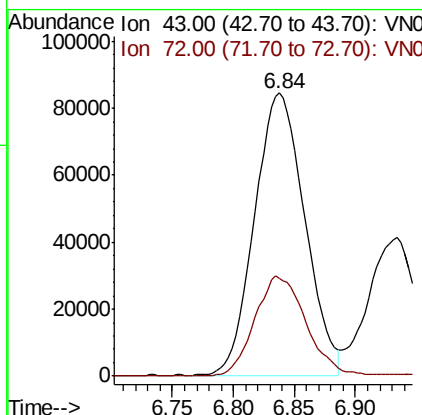
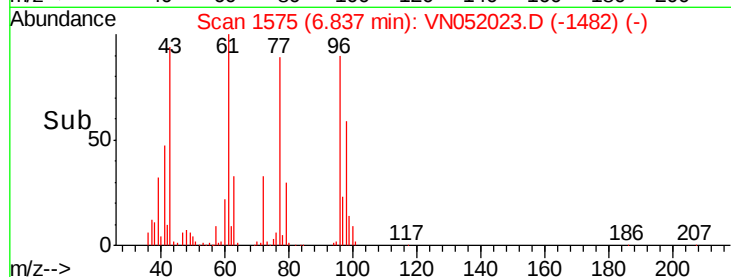
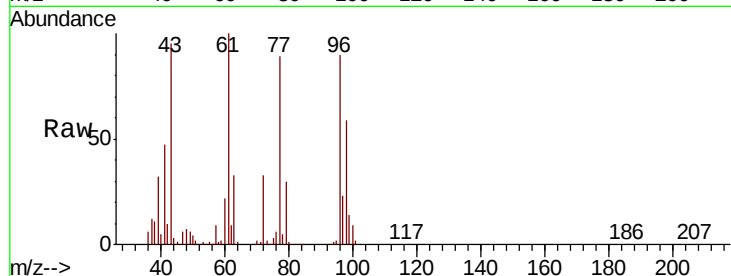
#25
2-Butanone
Concen: 95.272 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion: 43 Resp: 241486
Ion Ratio Lower Upper
43 100
72 34.8 28.5 42.7

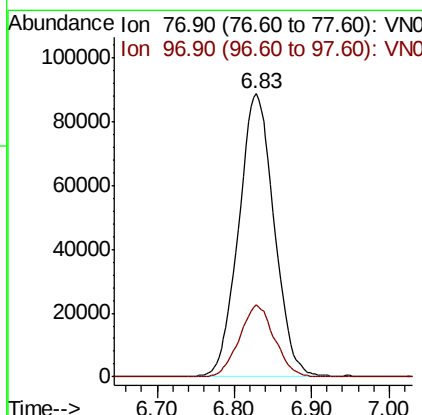
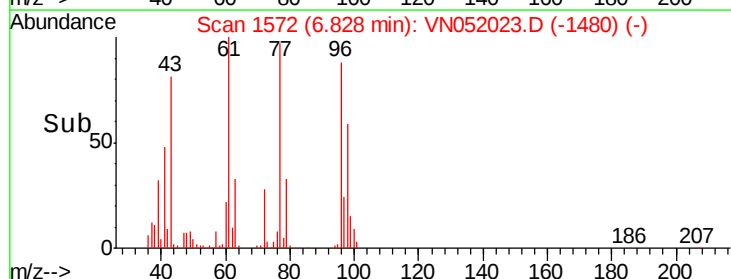
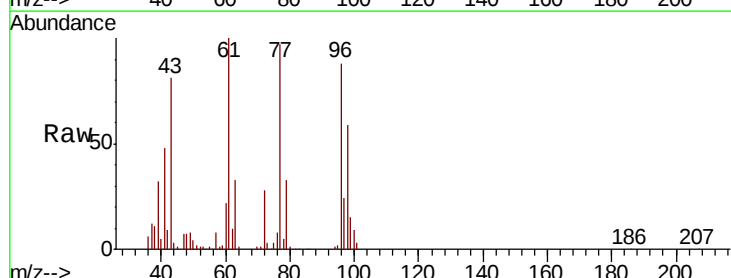
Manual Integrations
APPROVED

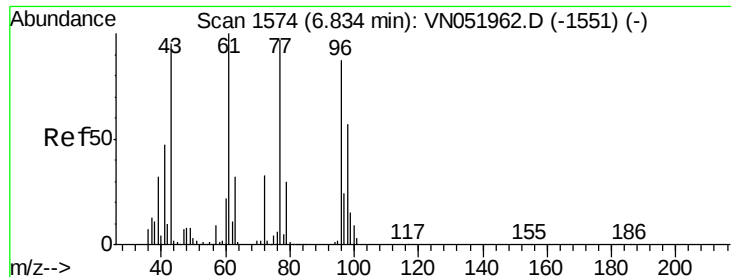
MMDadoda
10/29/2018 3:46:33 PM



#26
2,2-Dichloropropane
Concen: 19.778 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion: 77 Resp: 283720
Ion Ratio Lower Upper
77 100
97 25.0 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 20.564 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

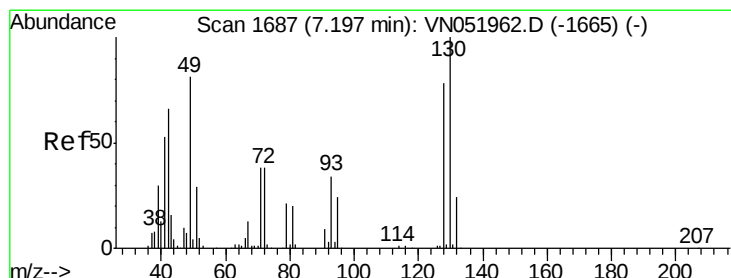
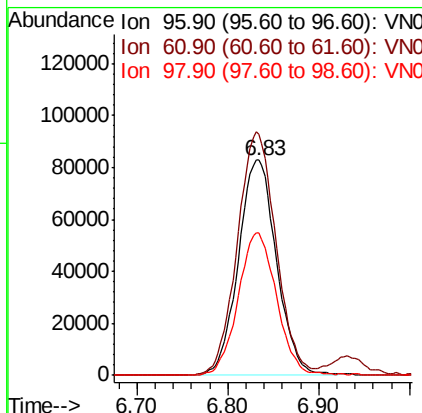
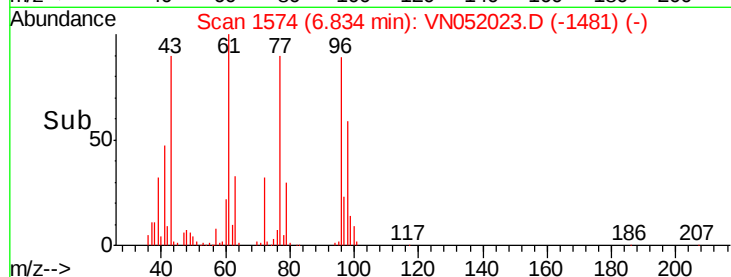
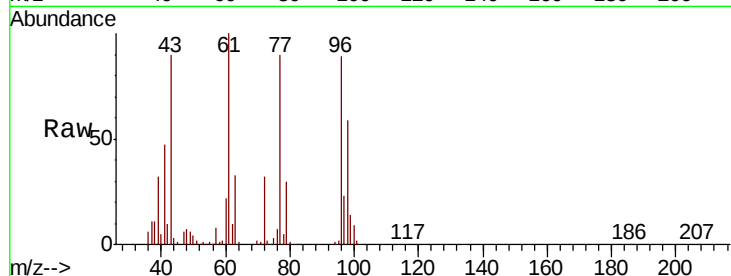
ClientSampleId :

VN1026WBSD01

Tot Ion:	96	Resp:	241348
Ion	Ratio	Lower	Upper
96	100		
61	114.6	0.0	234.4
98	66.6	0.0	131.6

Manual Integrations
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#28

Bromochloromethane

Concen: 20.115 ug/l

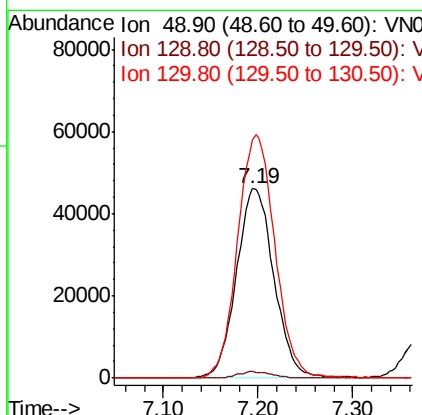
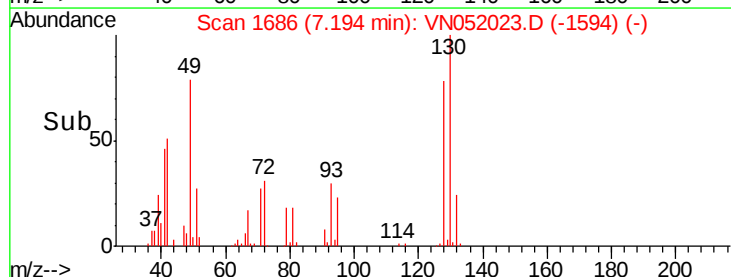
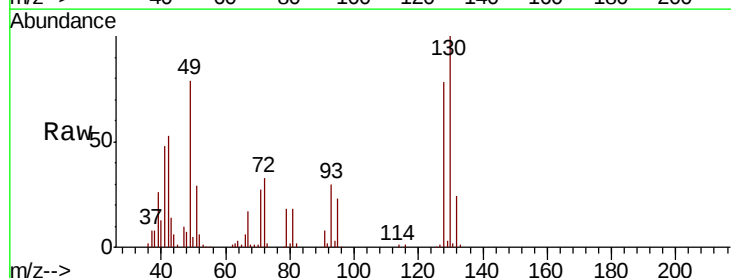
RT: 7.19 min Scan# 1686

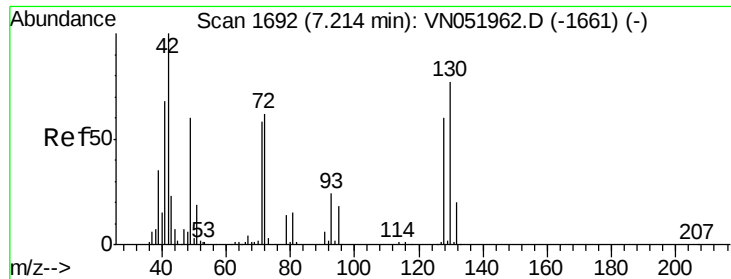
Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Tgt Ion:	49	Resp:	127111
Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.4
130	127.9	97.0	145.6





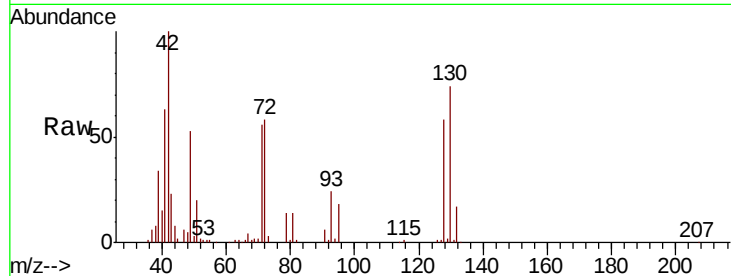
#29
Tetrahydrofuran
Concen: 90.274 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	60.2	47.5	71.3
71	55.1	45.4	68.2

Manual Integrations
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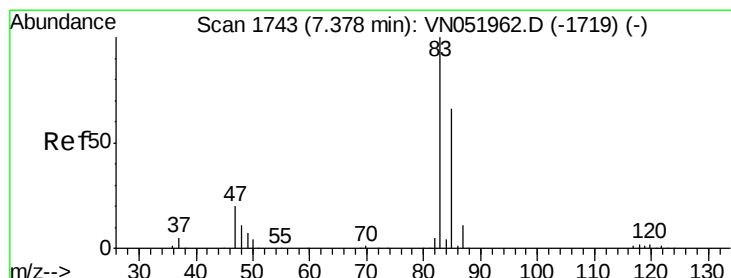
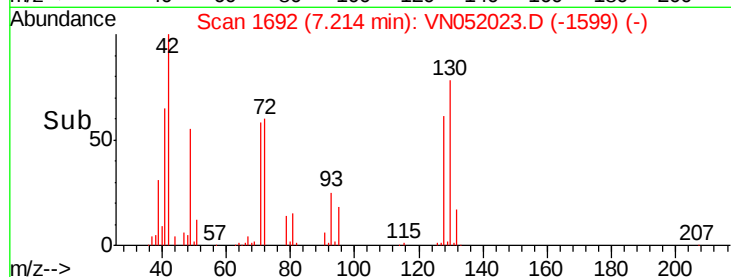
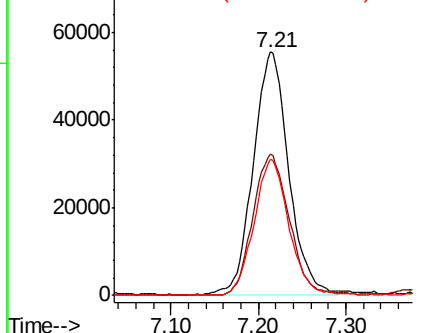


Abundance

Ion 42.00 (41.70 to 42.70): VNC

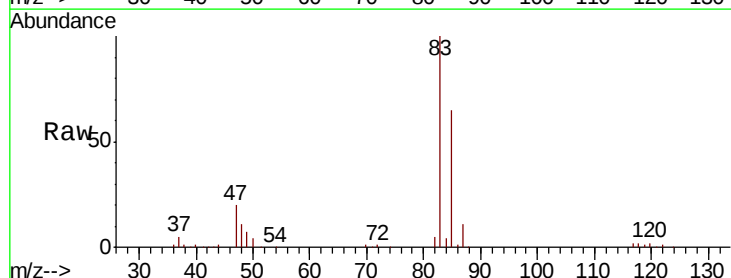
Ion 72.00 (71.70 to 72.70): VNC

Ion 71.00 (70.70 to 71.70): VNC



#30
Chloroform
Concen: 20.162 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

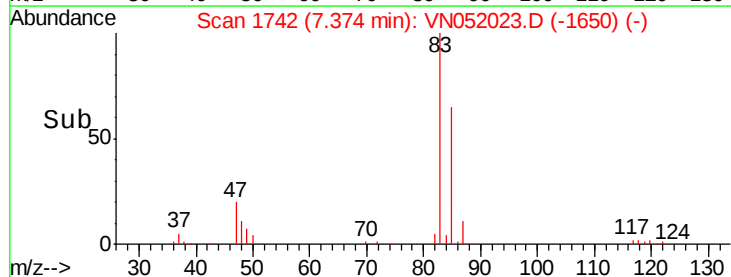
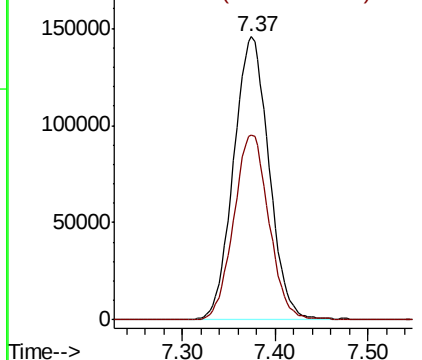
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.8	79.2

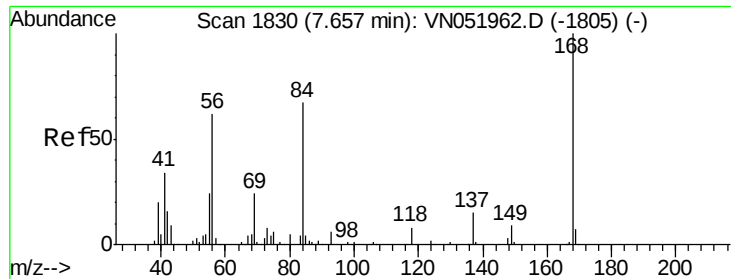


Abundance

Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC





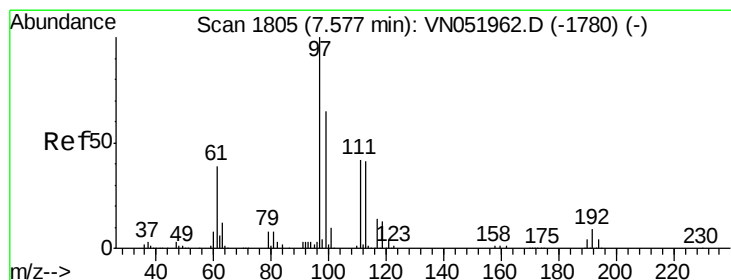
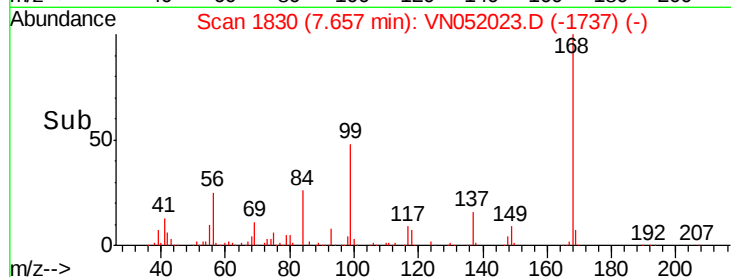
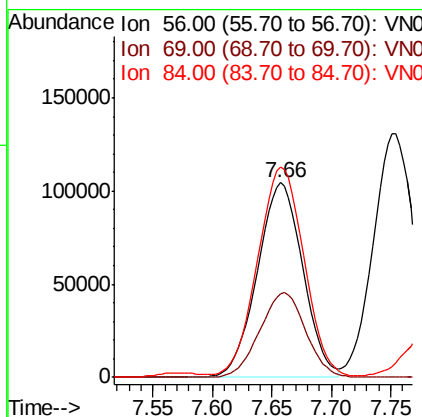
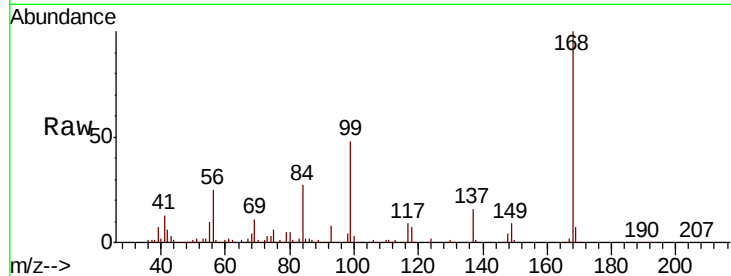
#31
Cyclohexane
Concen: 20.402 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.7	31.2	46.8
84	105.8	86.3	129.5

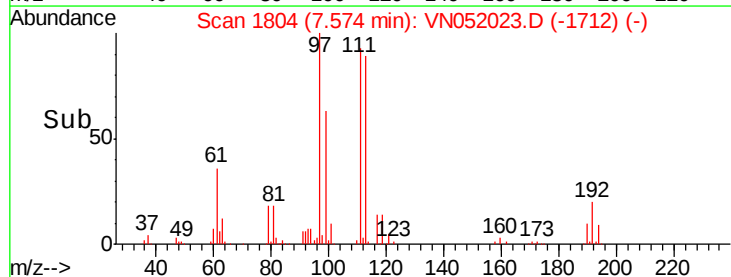
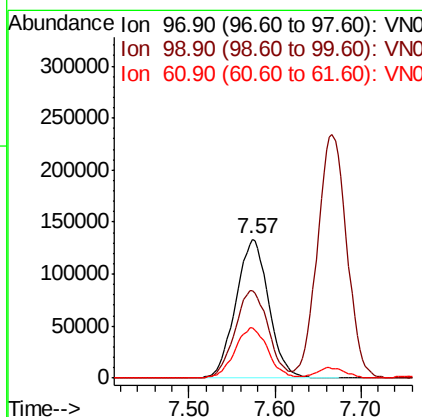
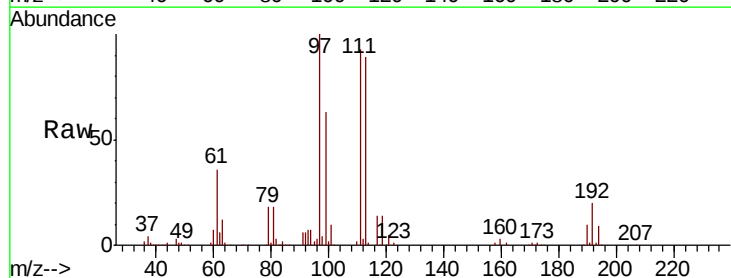
Manual Integrations
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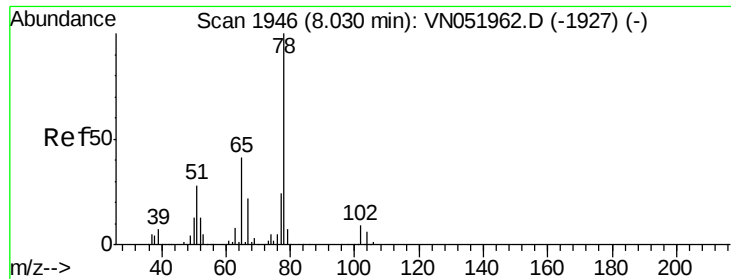
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#32
1,1,1-Trichloroethane
Concen: 20.233 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.5	77.3
61	36.4	30.1	45.1





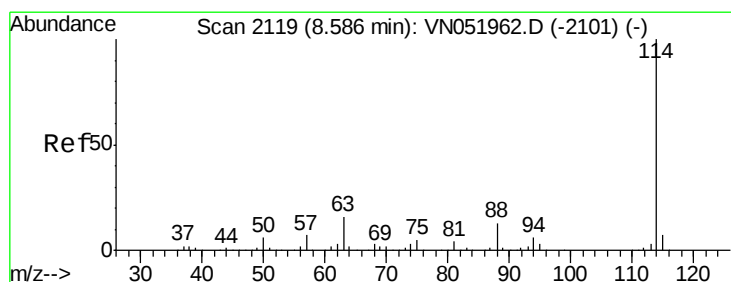
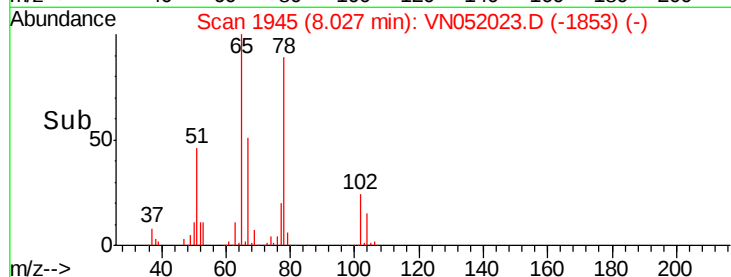
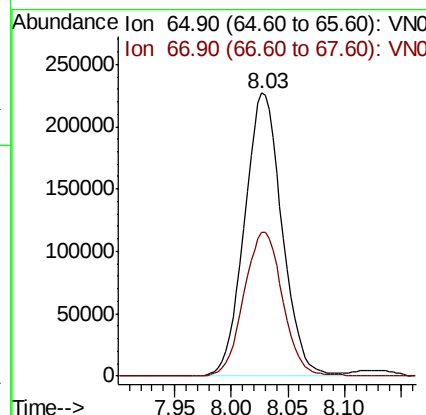
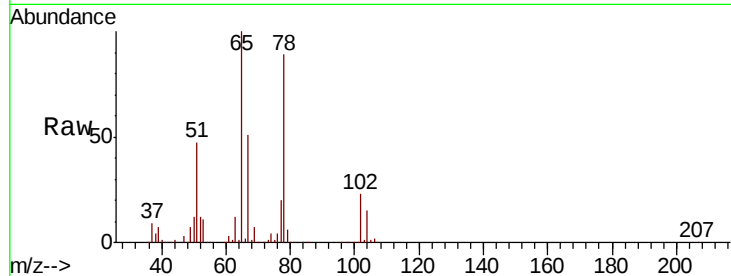
#33
 1,2-Dichloroethane-d4
 Concen: 20.233 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	105.8

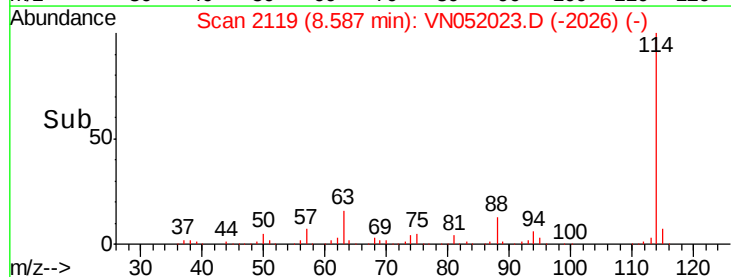
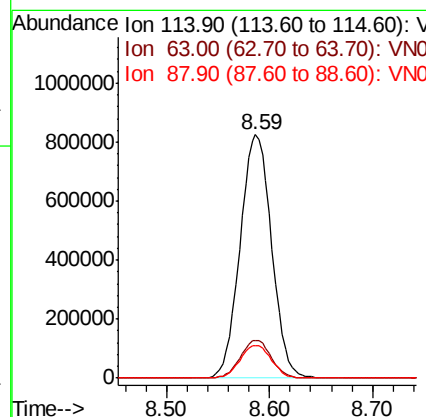
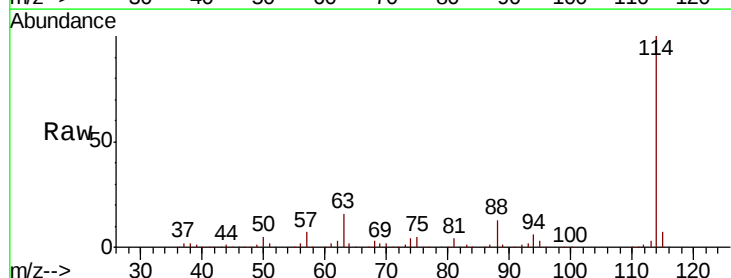
Manual Integrations
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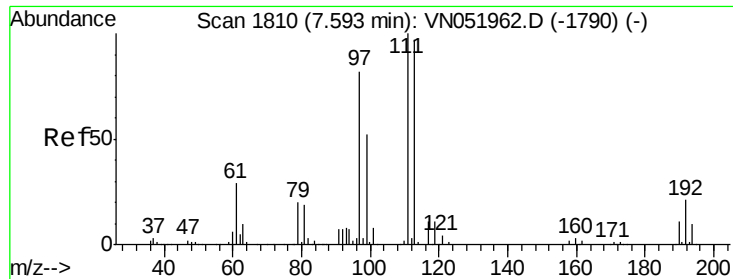
MMDadoda
 10/29/2018 3:46:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	15.6	0.0	31.2
88	13.4	0.0	27.0





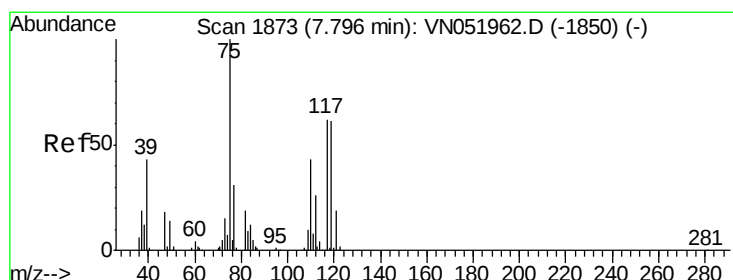
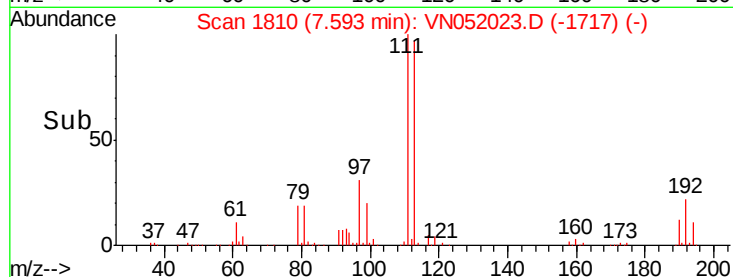
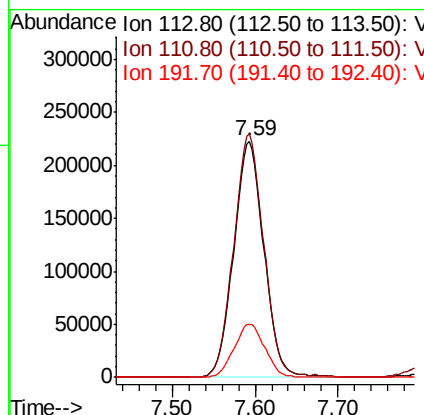
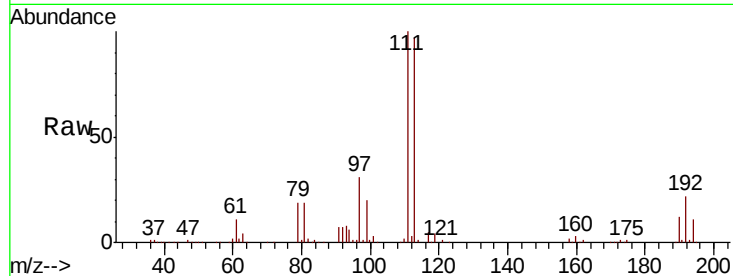
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	80.7	121.1	
192	22.9	17.2	25.8	

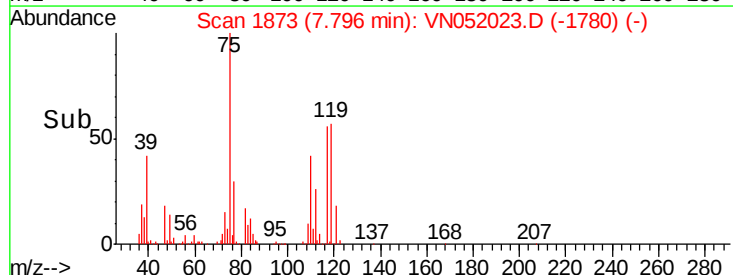
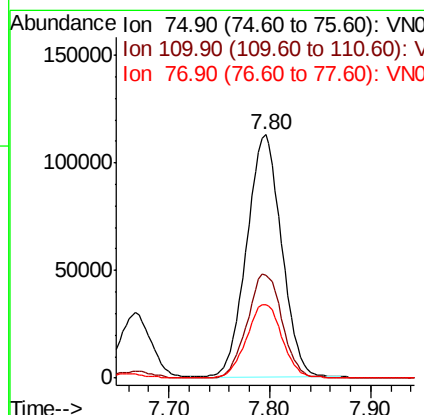
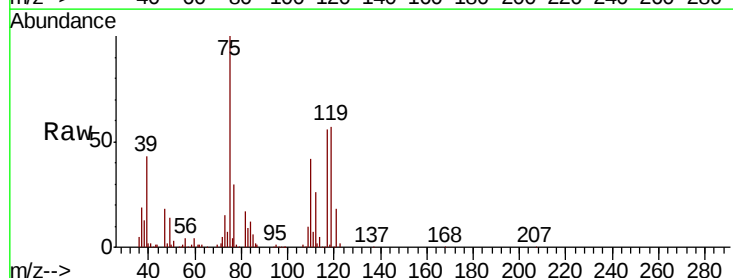
Manual Integrations
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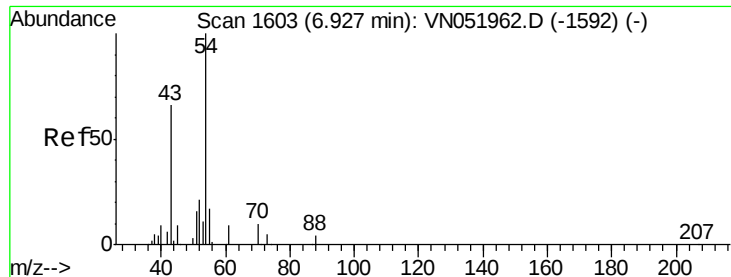
MMDadoda
 10/29/2018 3:46:33 PM



#36
 1,1-Dichloropropene
 Concen: 20.150 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	42.9	20.9	62.8	
77	31.1	24.9	37.3	





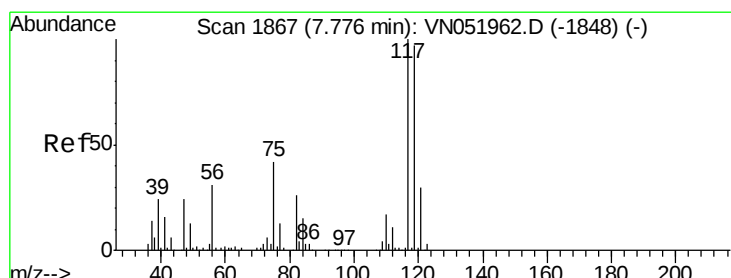
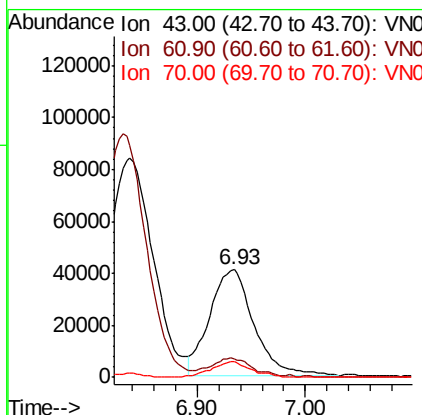
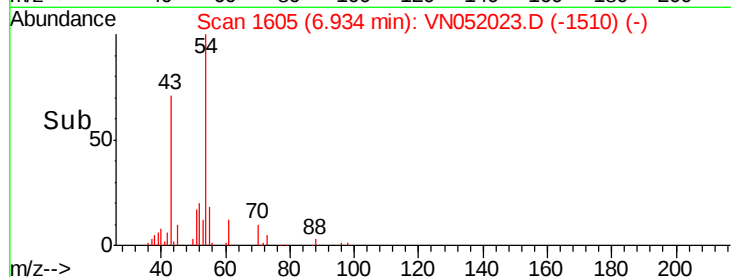
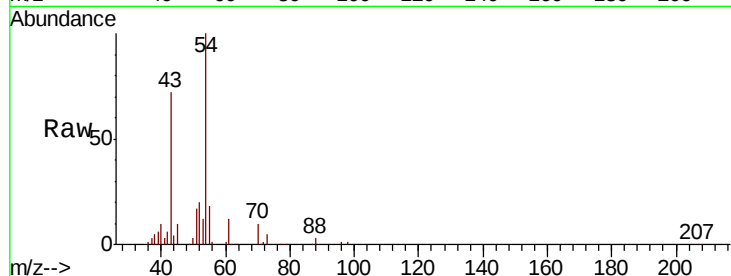
#37
Ethyl Acetate
Concen: 18.245 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	13.5	20.3
70	13.4	9.8	14.6

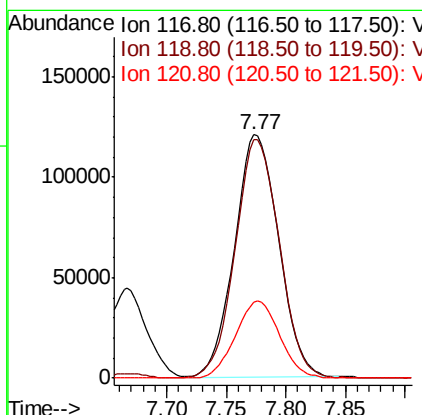
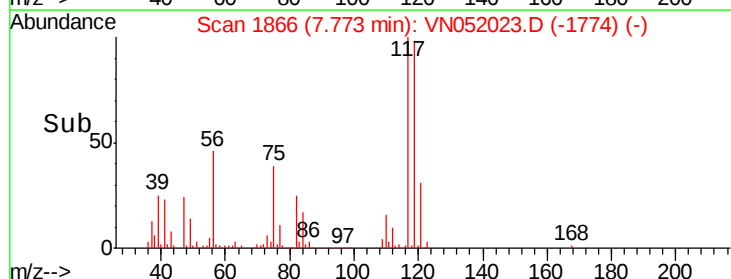
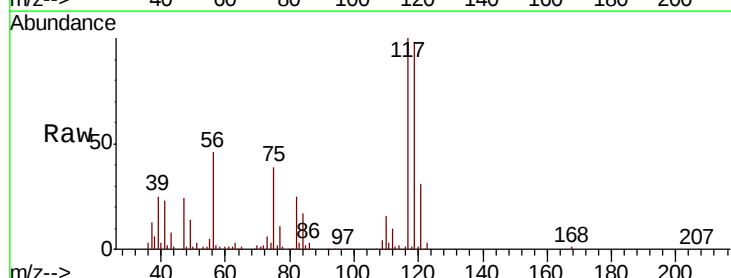
Manual Integrations
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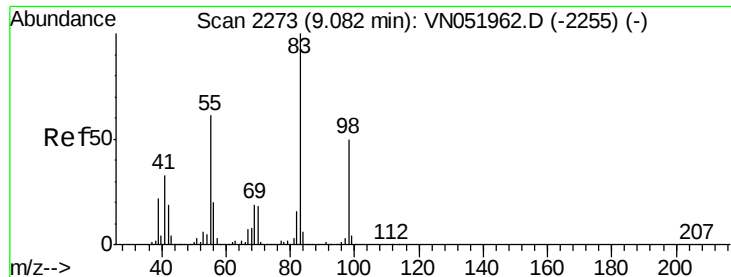
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.115 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.4	116.0
121	31.1	24.2	36.4





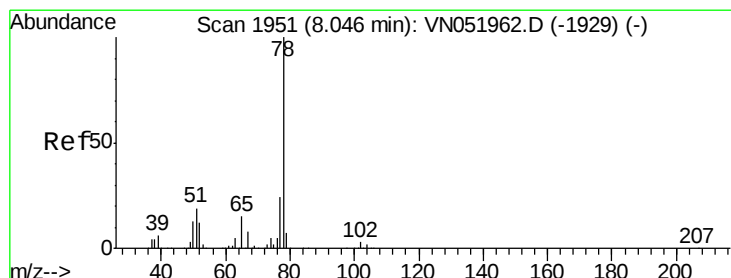
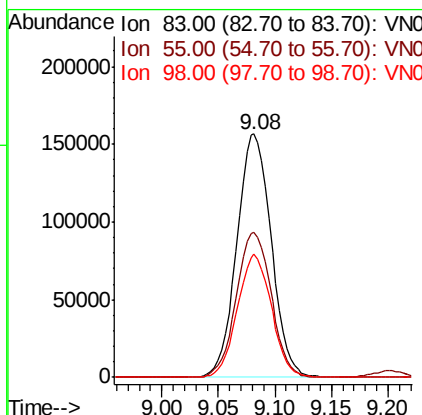
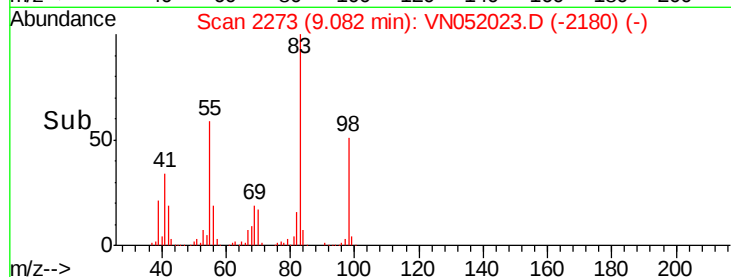
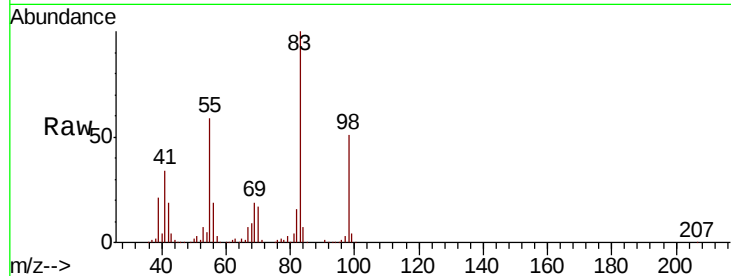
#39
Methvlcvclohexane
Concen: 20.244 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	59.4	48.9	73.3
98	50.7	40.2	60.2

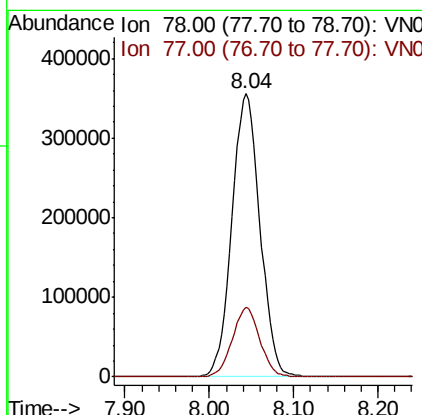
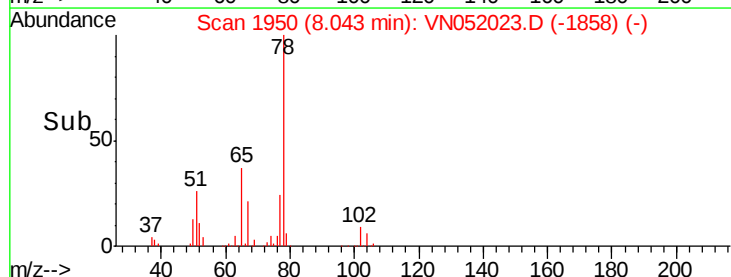
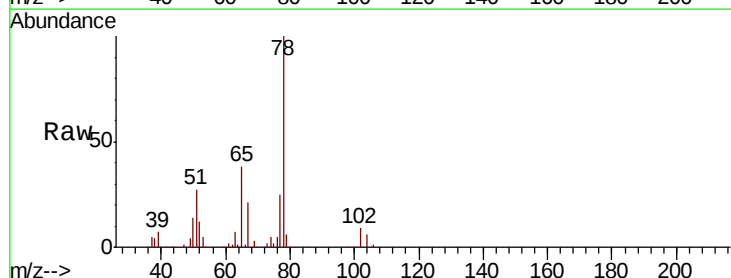
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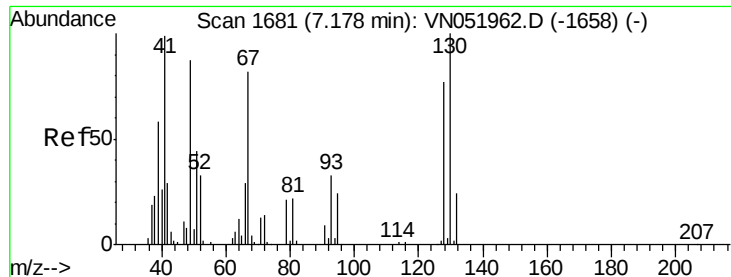
MMDadoda
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#40
Benzene
Concen: 20.713 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.4	29.0





#41

Methacrylonitrile

Concen: 21.607 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

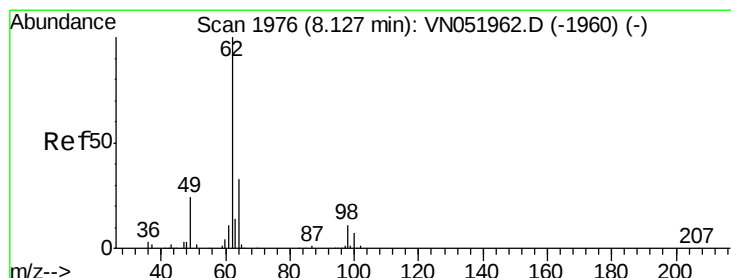
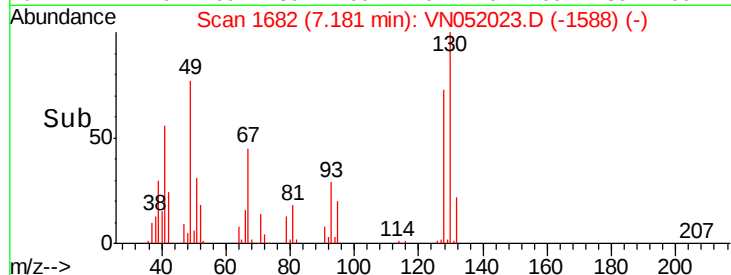
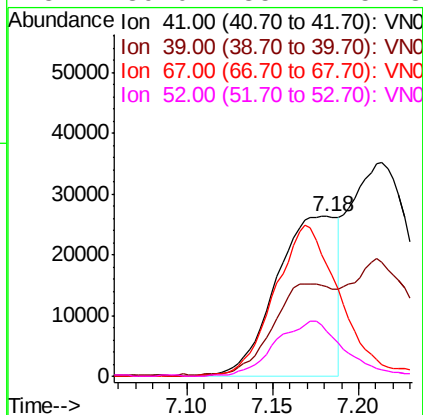
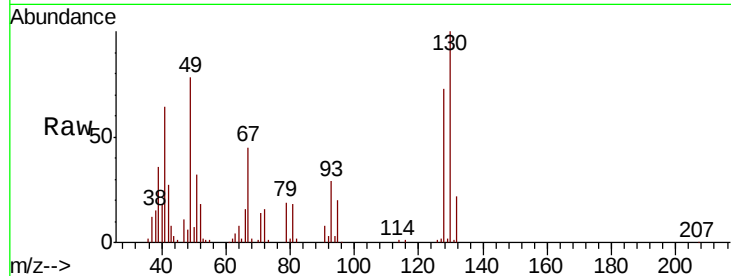
ClientSampleId :

VN1026WBSD01

Tot Ion:	41	Resp:	65197
Ion	Ratio	Lower	Upper
41	100		
39	57.2	53.1	79.7
67	100.9	93.8	140.6
52	39.0	35.2	52.8

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.022 ug/l

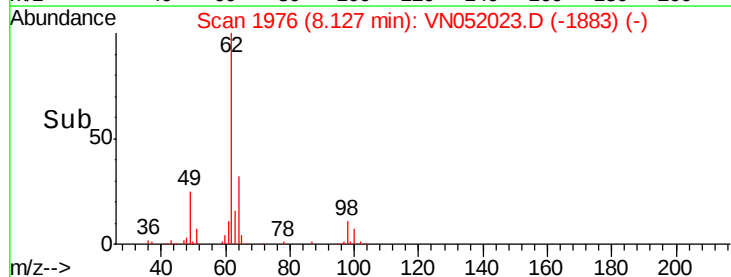
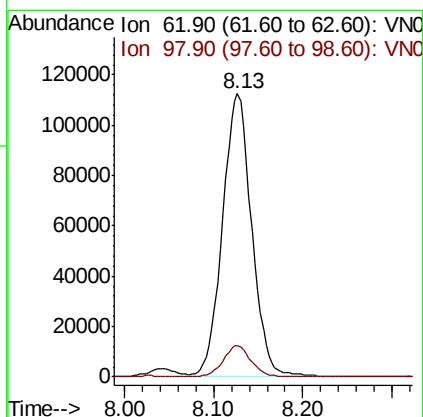
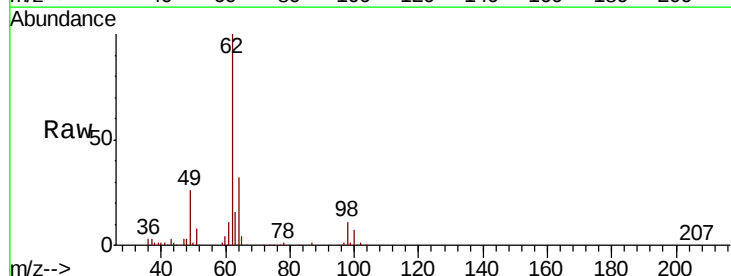
RT: 8.13 min Scan# 1976

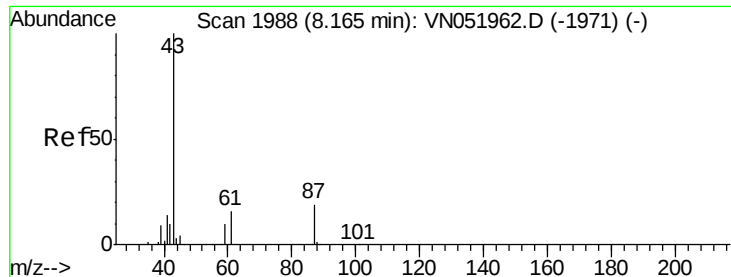
Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Tgt Ion:	62	Resp:	255939
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.337 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 43 Resp: 217457

Ion Ratio Lower Upper

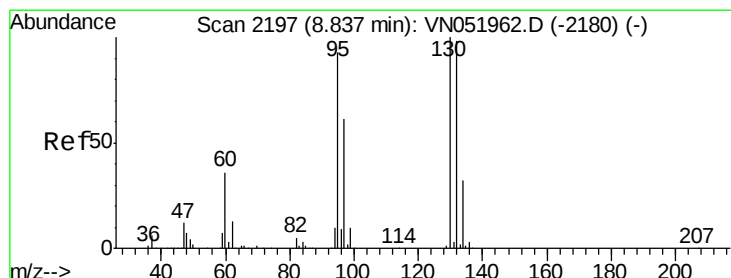
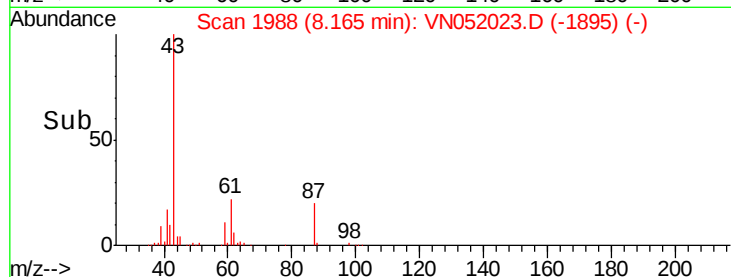
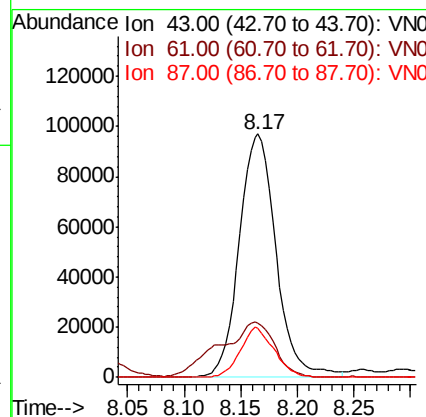
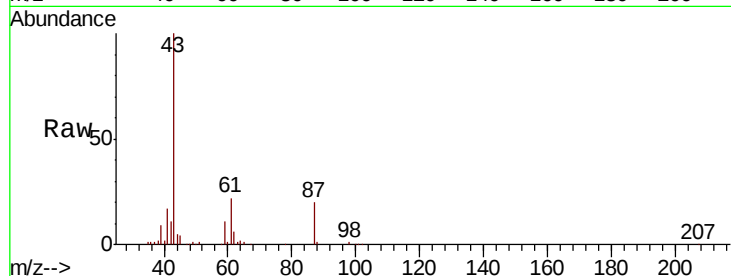
43 100

61 34.0 17.2 25.8#

87 19.1 15.2 22.8

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MMDadoda
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#44

Trichloroethene

Concen: 21.089 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052023.D

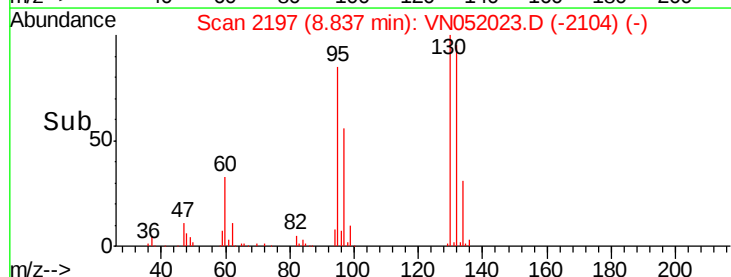
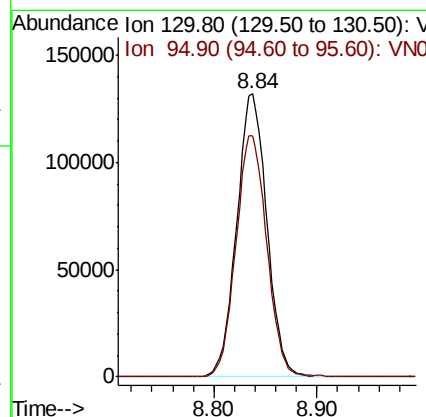
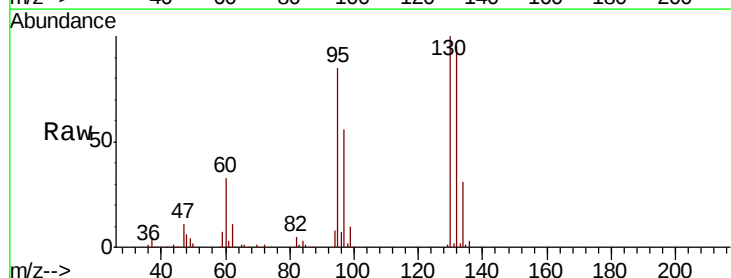
Acq: 26 Oct 2018 13:00

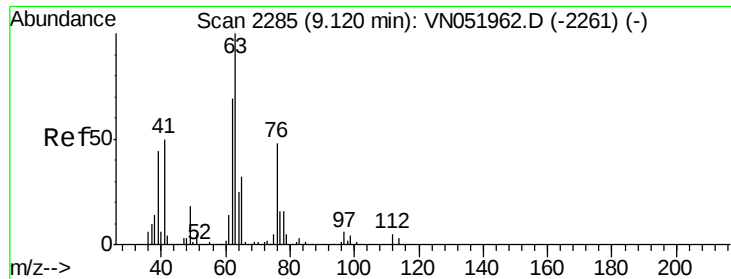
Tgt Ion: 130 Resp: 269874

Ion Ratio Lower Upper

130 100

95 85.3 0.0 185.2





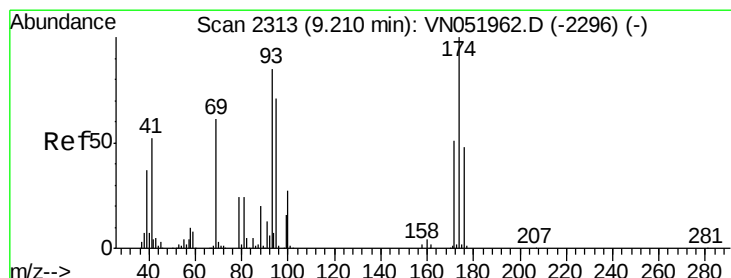
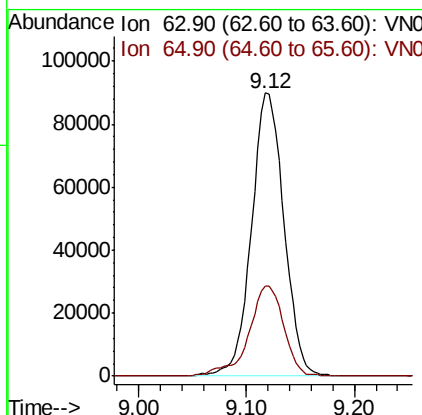
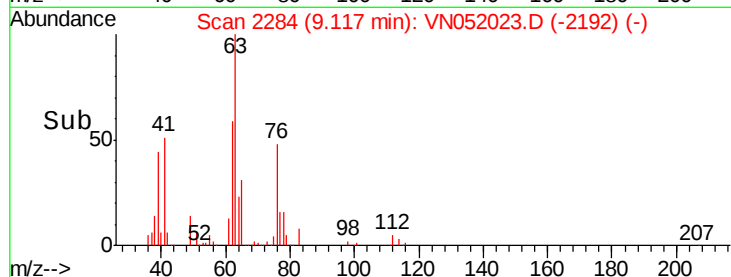
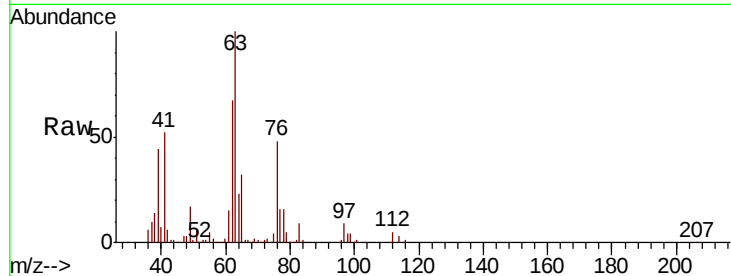
#45
 1,2-Dichloropropane
 Concen: 20.809 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.8	38.6

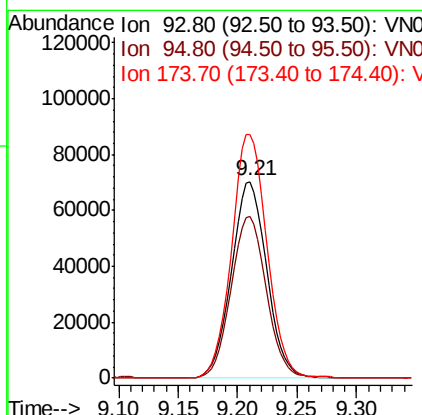
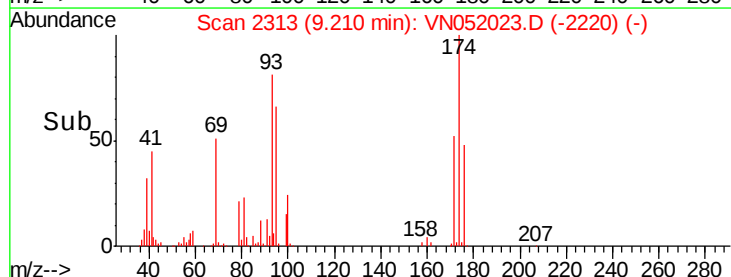
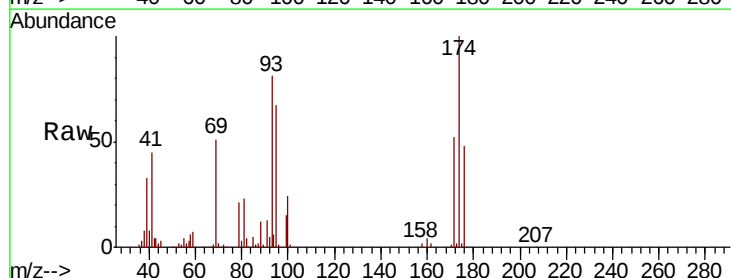
Manual Integrations
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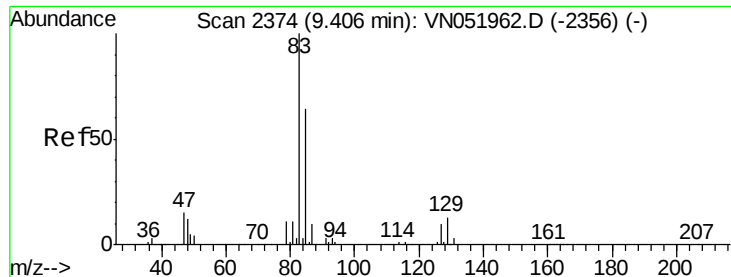
MMDadoda
 10/29/2018 3:46:33 PM



#46
 Dibromomethane
 Concen: 19.927 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.7	100.1
174	123.9	93.8	140.6





#47

Bromodichloromethane

Concen: 20.104 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

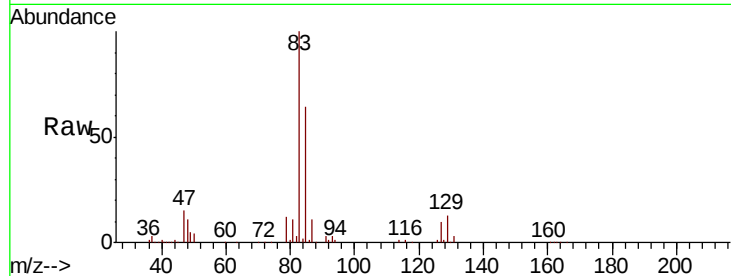
ClientSampleId :

VN1026WBSD01

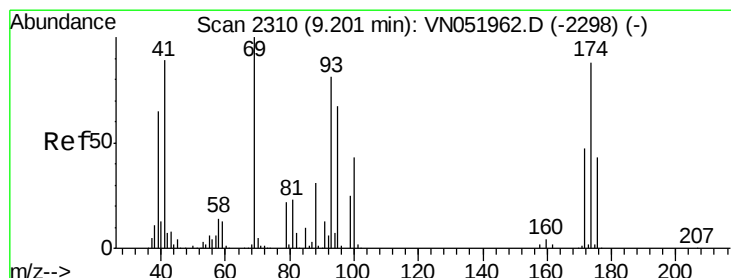
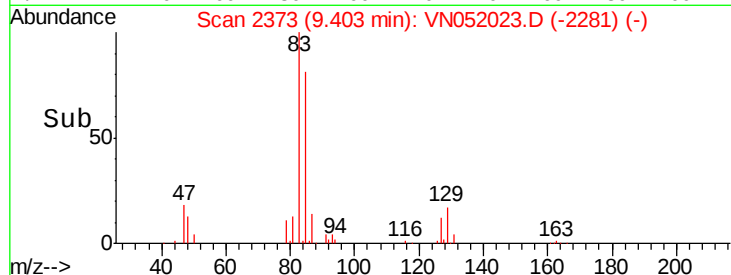
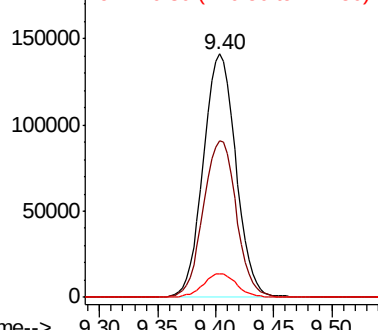
Tot Ion:	83	Resp:	276040
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.0	76.4
127	9.8	7.8	11.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-2356) (-)



#48

Methyl methacrylate

Concen: 18.783 ug/l

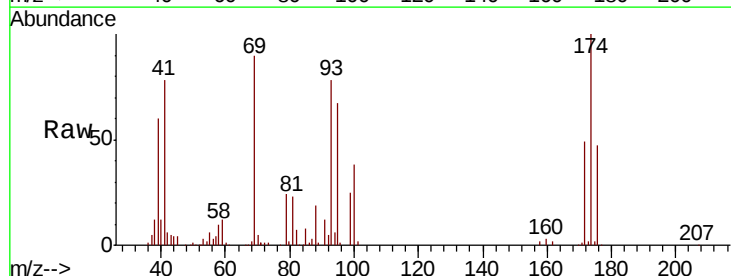
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

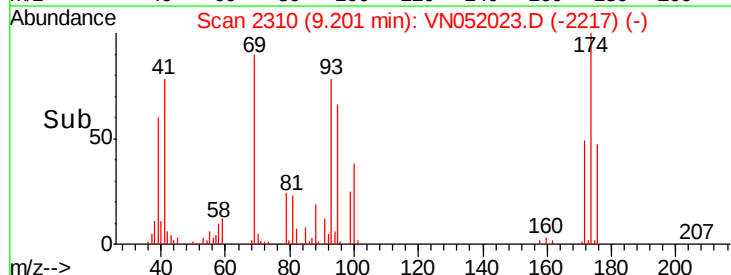
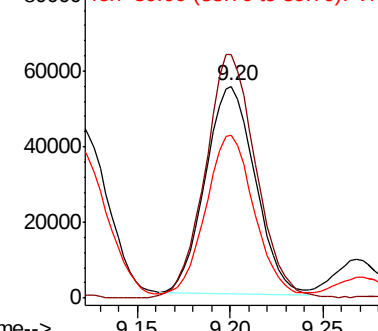
Lab File: VN052023.D

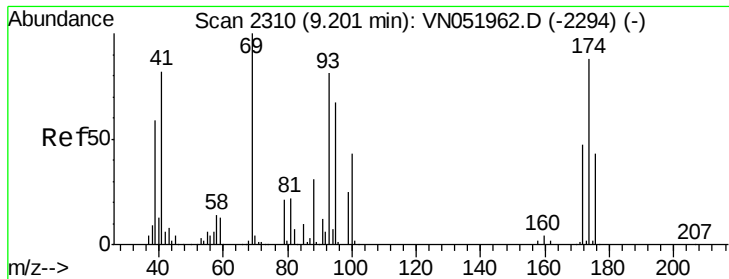
Acq: 26 Oct 2018 13:00

Tgt Ion:	41	Resp:	102092
Ion Ratio	Lower	Upper	
41	100		
69	119.4	92.2	138.4
39	76.9	60.2	90.4



Abundance Ion 41.00 (40.70 to 41.70): VN051962.D (-2298) (-)





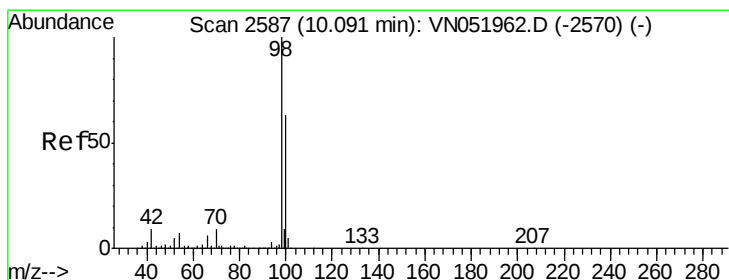
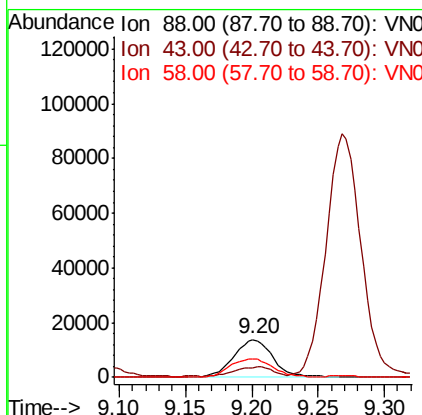
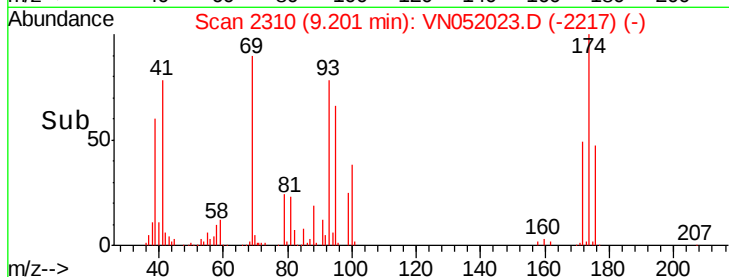
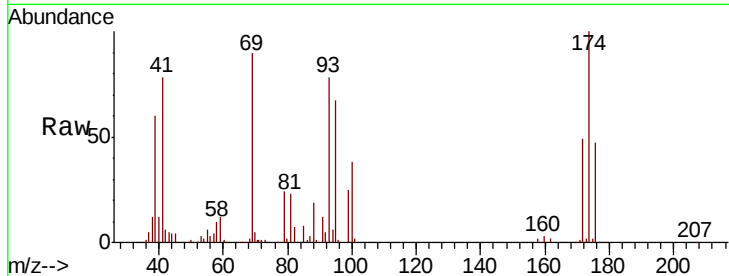
#49
1,4-Dioxane
Concen: 285.039 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	88	Resp	28409
Ion Ratio	100	Lower	Upper
88	100		
43	24.4	18.8	28.2
58	53.5	39.8	59.6

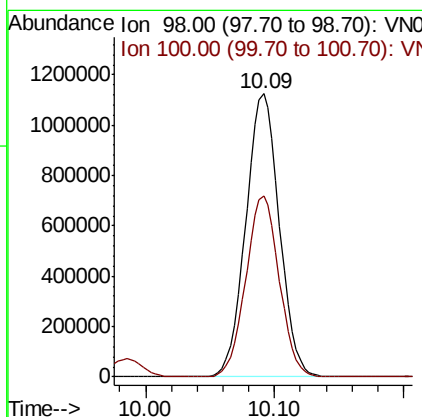
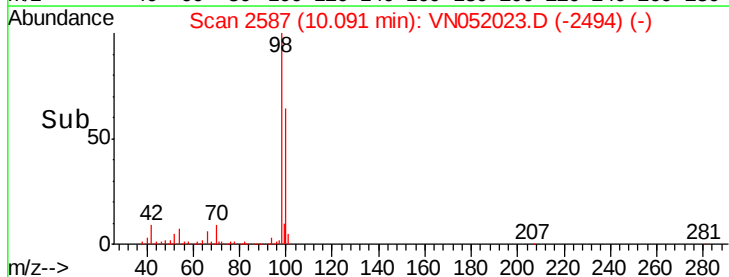
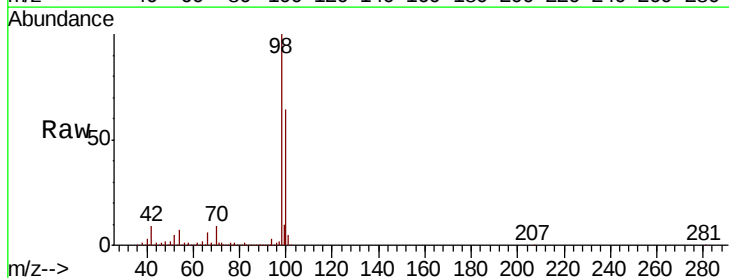
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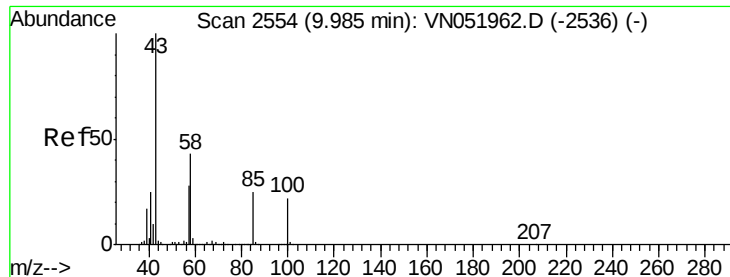
MMDadoda
10/29/2018 3:46:33 PM



#50
Toluene-d8
Concen: 285.039 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion	98	Resp	2036415
Ion Ratio	100	Lower	Upper
98	100		
100	63.5	50.7	76.1





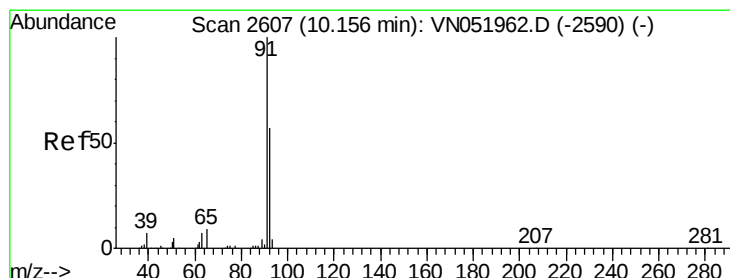
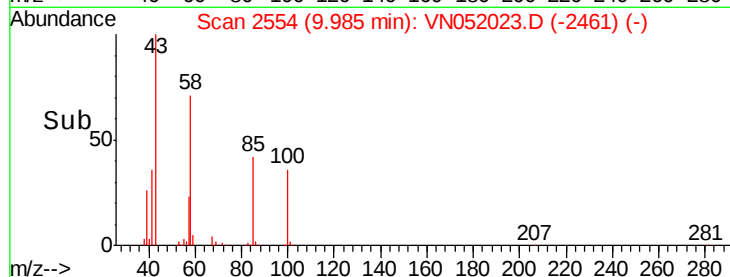
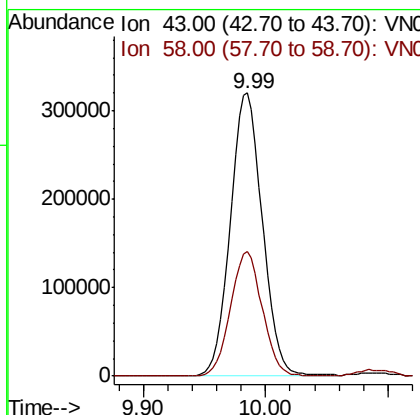
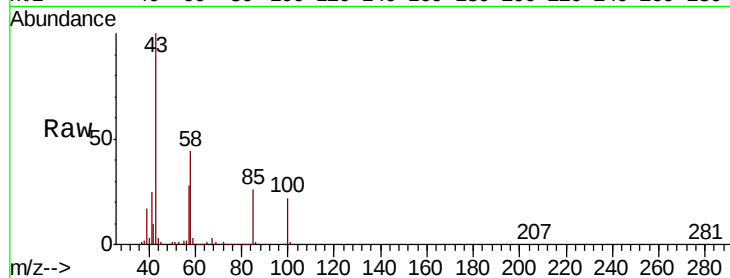
#51
 4-Methyl-2-Pentanone
 Concen: 94.268 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

Tot Ion	43	Resp	583113
Ion Ratio	100	Lower	Upper
43	100		
58	43.7	34.8	52.2

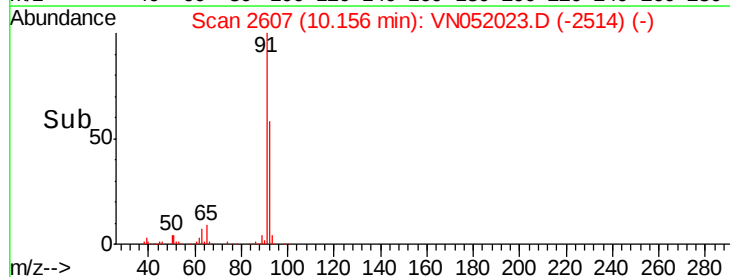
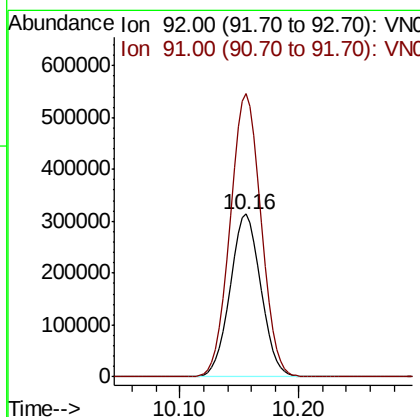
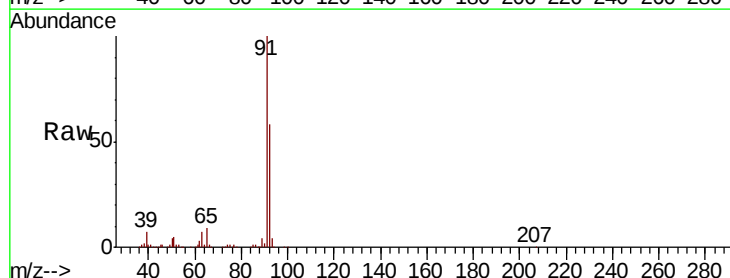
Manual Integrations
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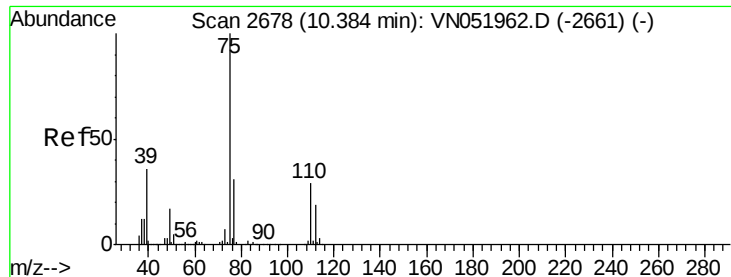
MMDadoda
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#52
 Toluene
 Concen: 20.809 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion	92	Resp	562587
Ion Ratio	100	Lower	Upper
92	100		
91	174.6	139.8	209.6





#53

t-1,3-Dichloropropene

Concen: 18.694 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 75 Resp: 250931

Ion Ratio Lower Upper

75 100

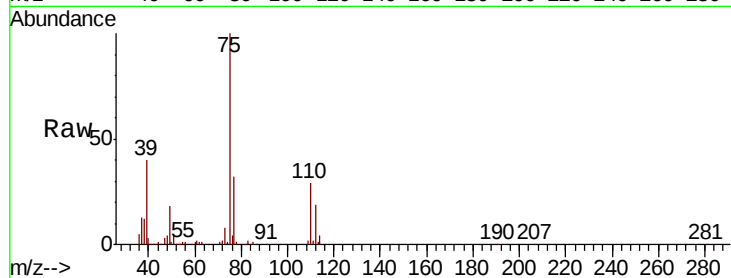
77 32.2 25.0 37.4

Manual Integrations

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MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

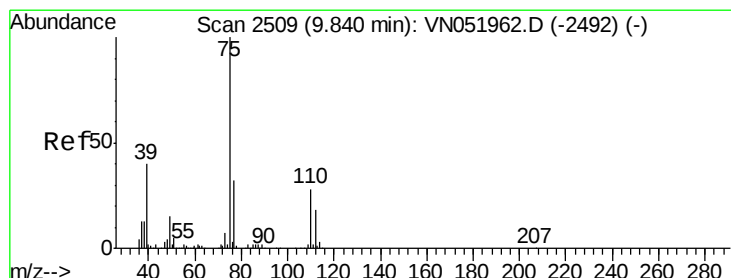
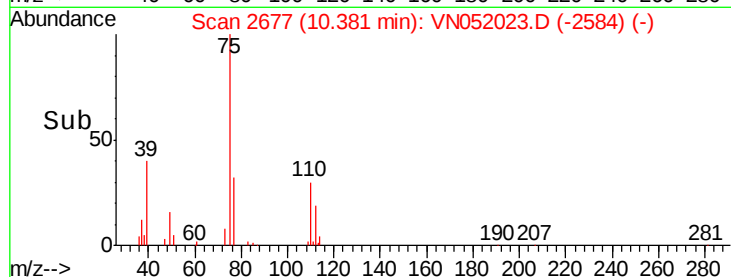
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.309 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

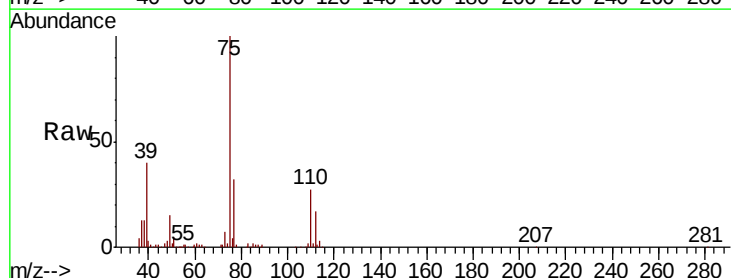
Tgt Ion: 75 Resp: 291451

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

39 39.6 32.0 48.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

200000

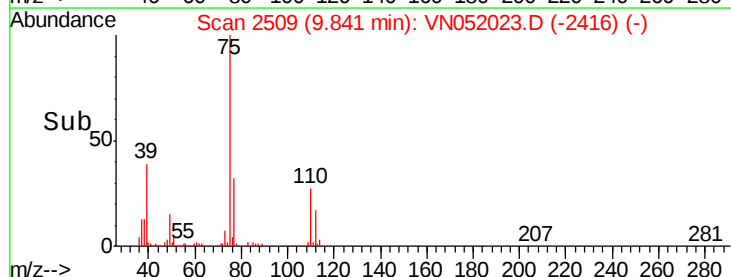
150000

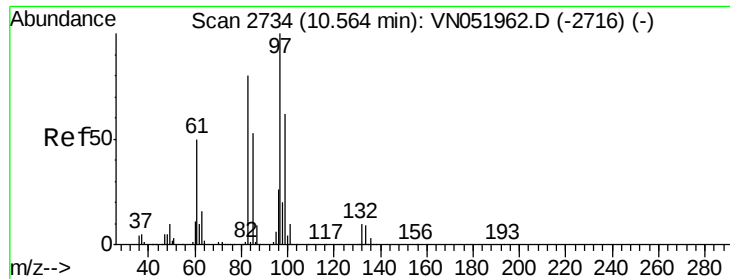
100000

50000

0

Time-->





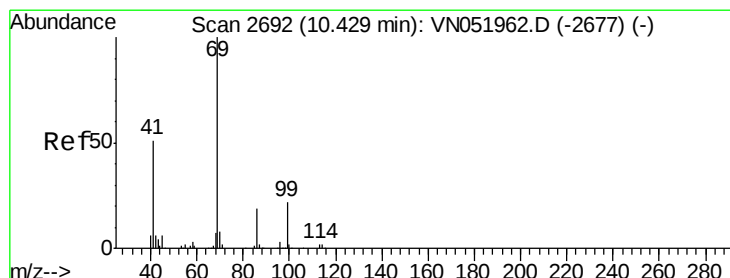
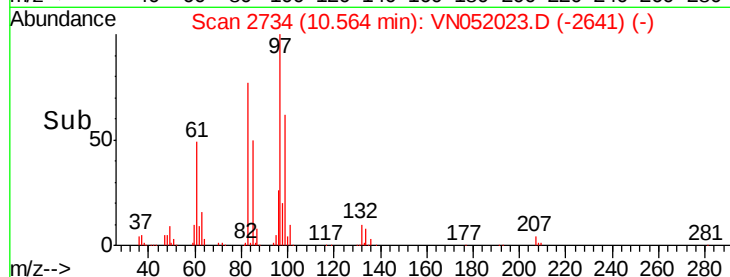
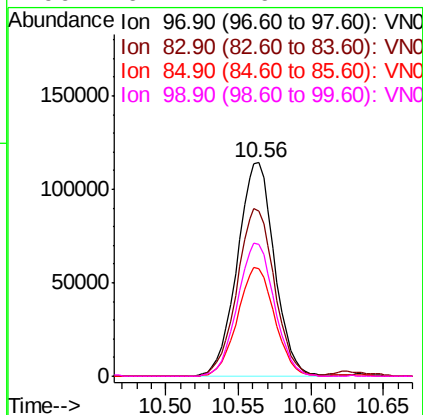
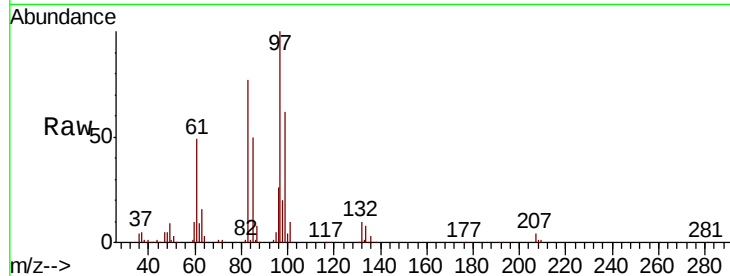
#55
 1,1,2-Trichloroethane
 Concen: 20.428 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		204054		
83	77.3	64.0	96.0		
85	50.2	42.4	63.6		
99	61.7	49.4	74.2		

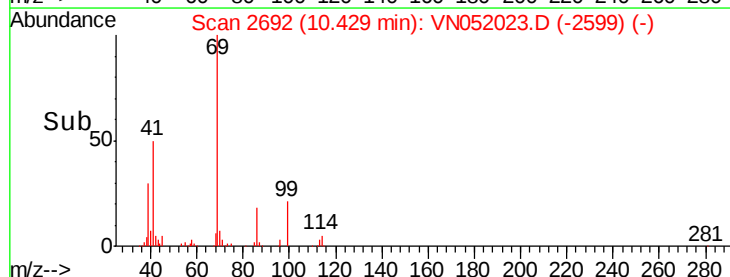
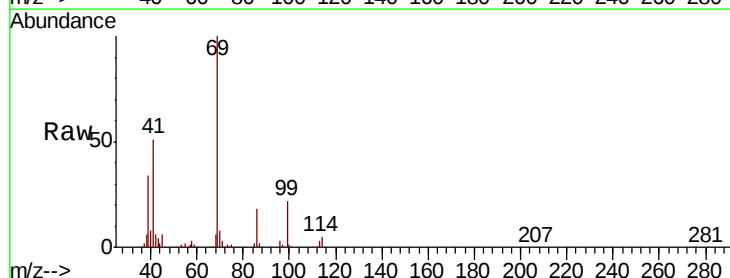
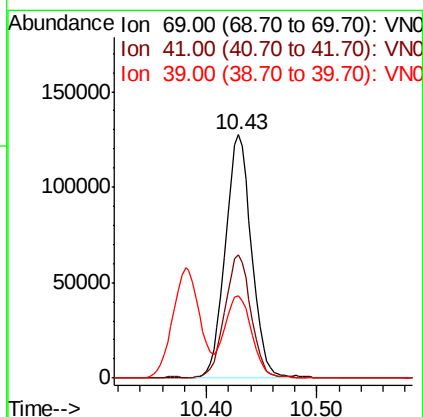
Manual Integrations
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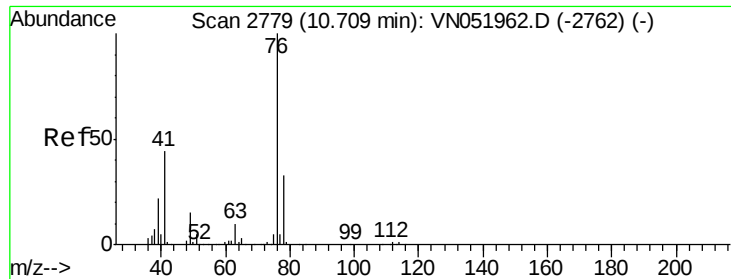
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 19.575 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		210188		
41	49.9	40.7	61.1		
39	35.1	29.3	43.9		





#57

1,3-Dichloropropane

Concen: 19.837 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 76 Resp: 300817

Ion Ratio Lower Upper

76 100

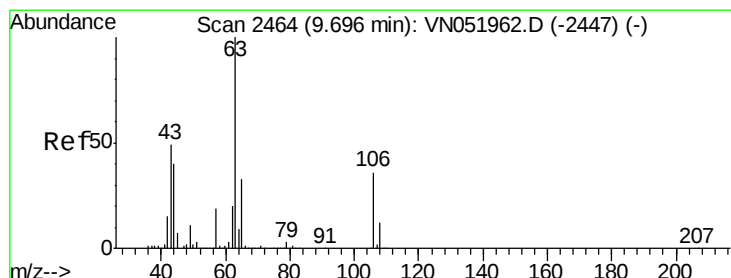
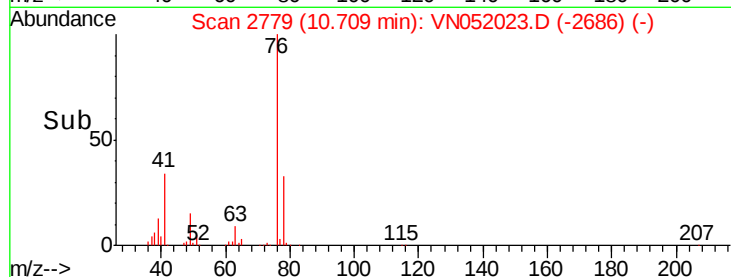
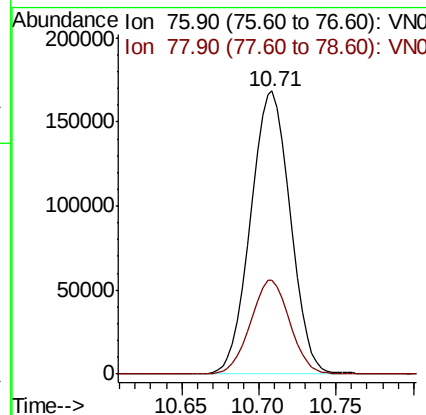
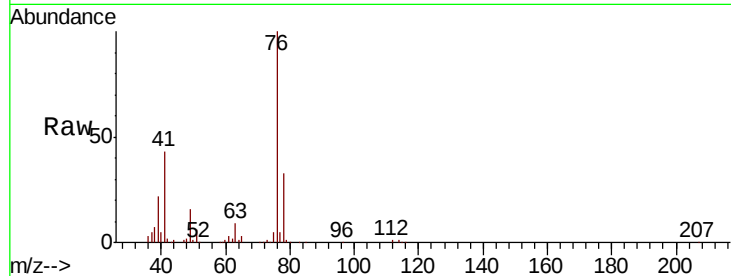
78 33.0 26.4 39.6

Manual Integrations

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MMDadoda

10/29/2018 3:46:33 PM



#58

2-Chloroethyl Vinyl ether

Concen: 97.351 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052023.D

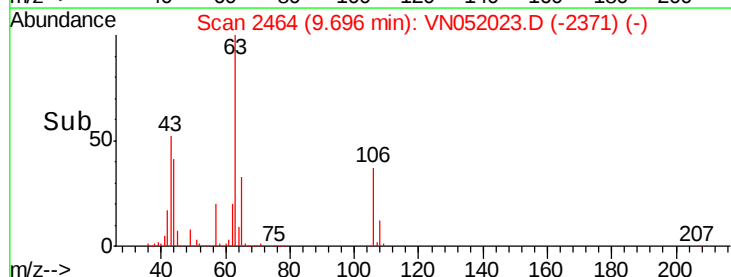
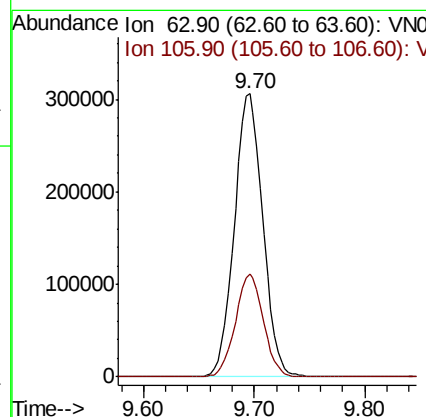
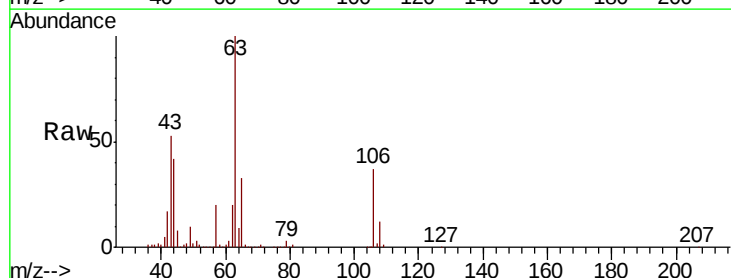
Acq: 26 Oct 2018 13:00

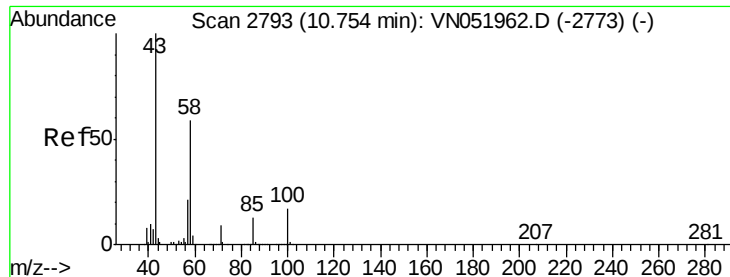
Tgt Ion: 63 Resp: 546946

Ion Ratio Lower Upper

63 100

106 35.7 28.3 42.5





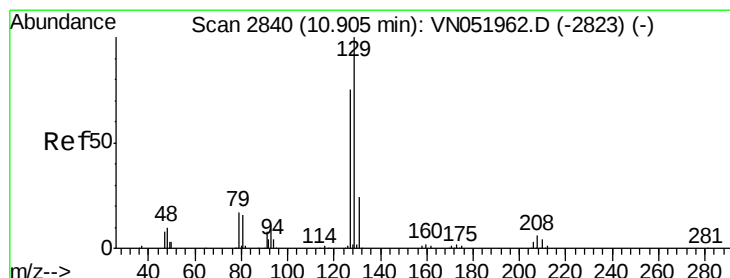
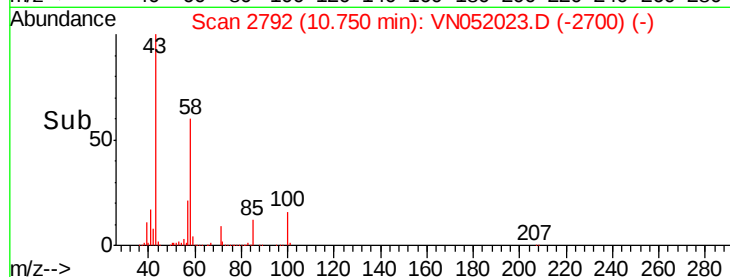
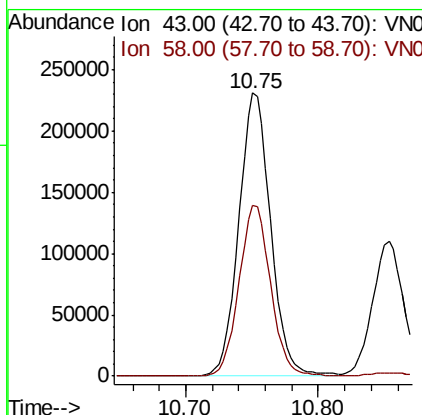
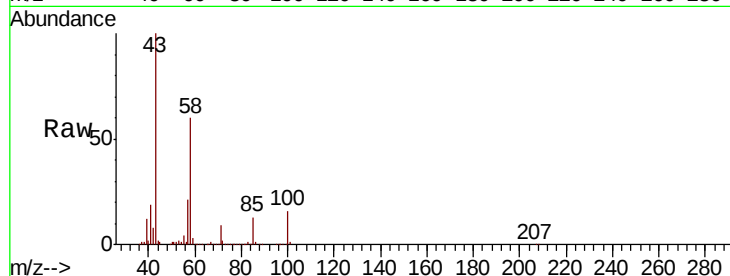
#59
2-Hexanone
Concen: 92.433 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion: 43 Resp: 384163
Ion Ratio Lower Upper
43 100
58 60.0 29.9 89.8

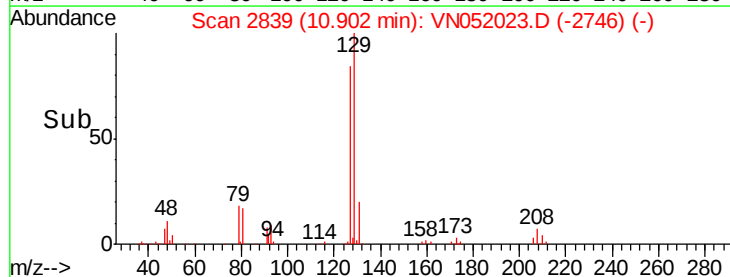
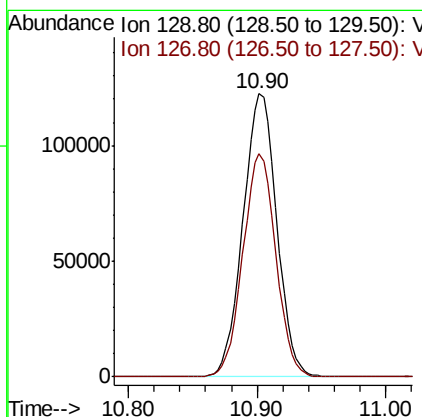
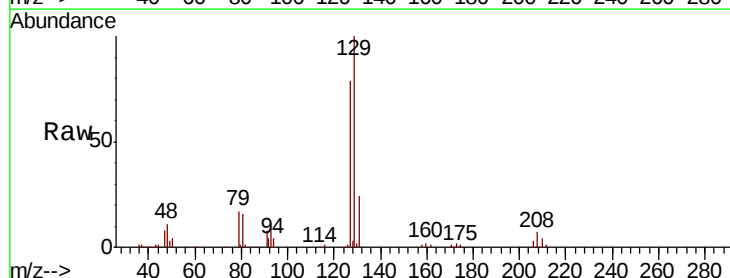
Manual Integrations
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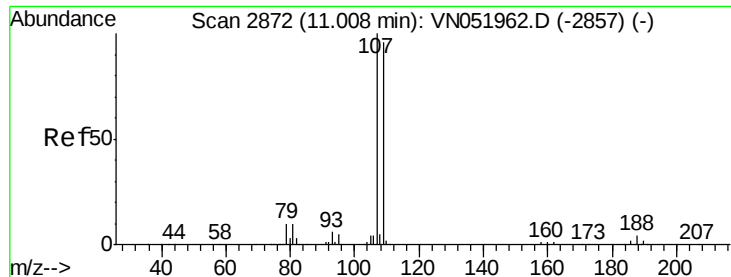
MMDadoda
10/29/2018 3:46:33 PM



#60
Dibromochloromethane
Concen: 18.801 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion: 129 Resp: 223209
Ion Ratio Lower Upper
129 100
127 77.0 38.0 114.0





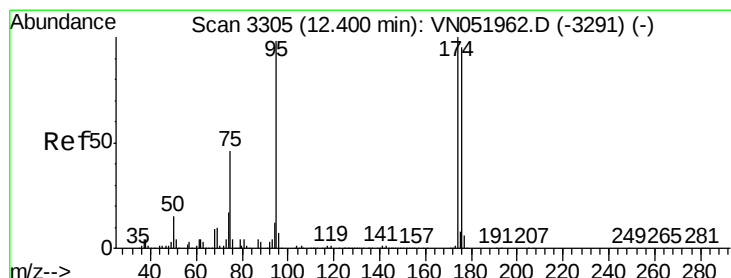
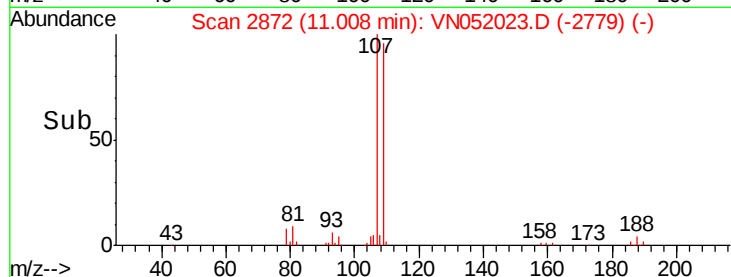
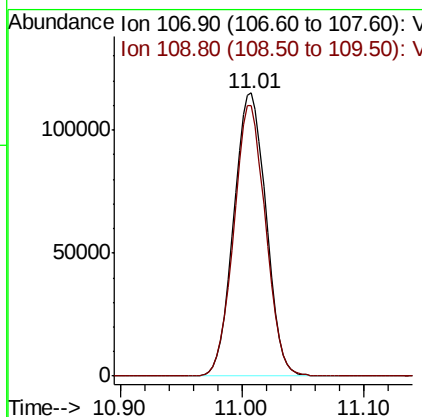
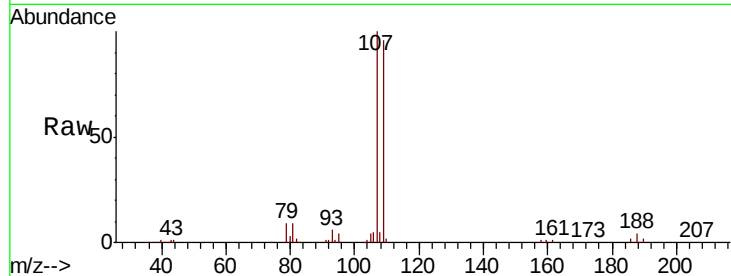
#61
 1,2-Dibromoethane
 Concen: 20.037 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	211028		
109	94.2	75.9	113.9	

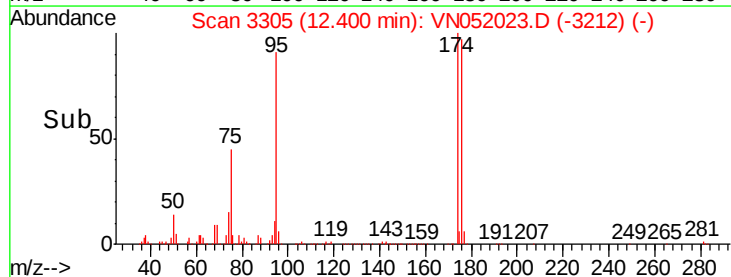
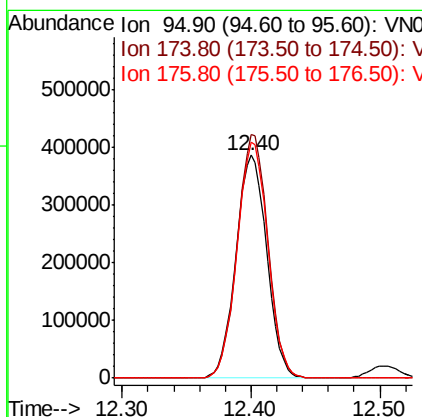
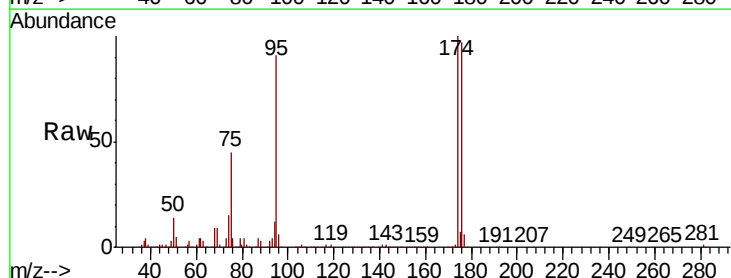
Manual Integrations
 APPROVED

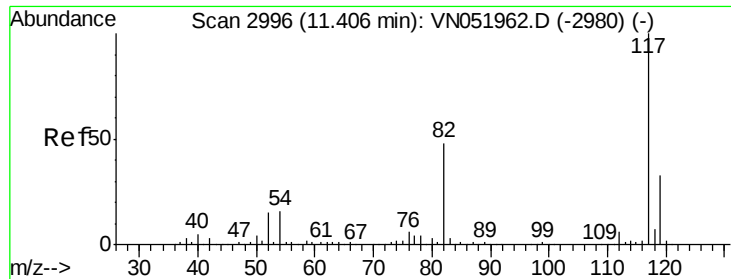
MMDadoda
 10/29/2018 3:46:33 PM



#62
 4-Bromofluorobenzene
 Concen: 20.037 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	643835		
174	108.6	0.0	206.0	
176	105.5	0.0	198.0	





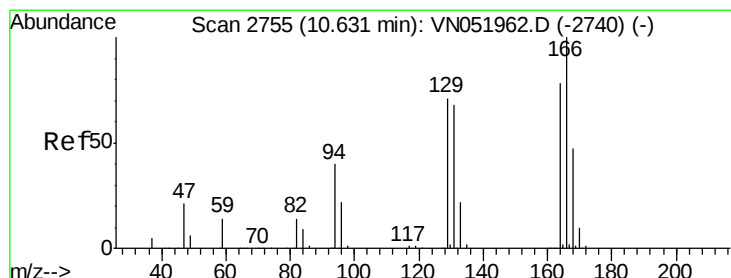
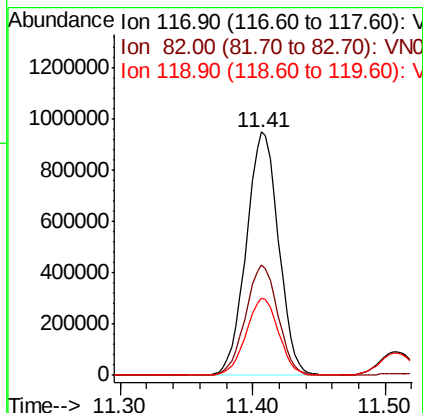
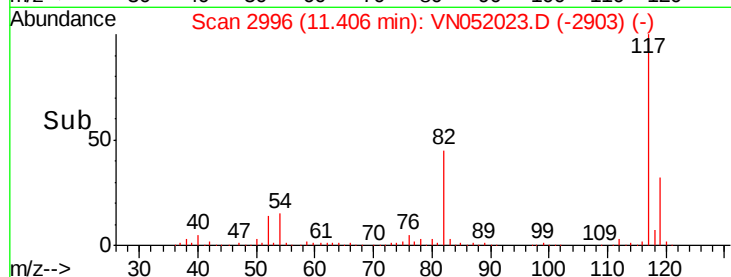
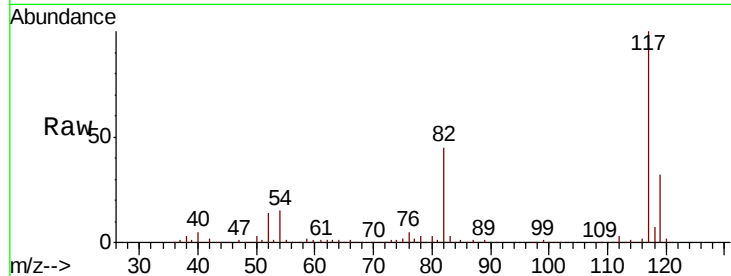
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion:117 Resp: 1605772
Ion Ratio Lower Upper
117 100
82 45.4 38.1 57.1
119 31.8 26.4 39.6

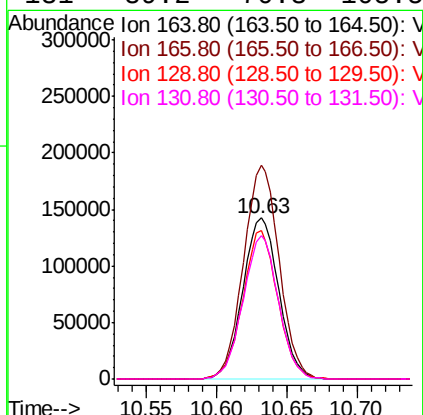
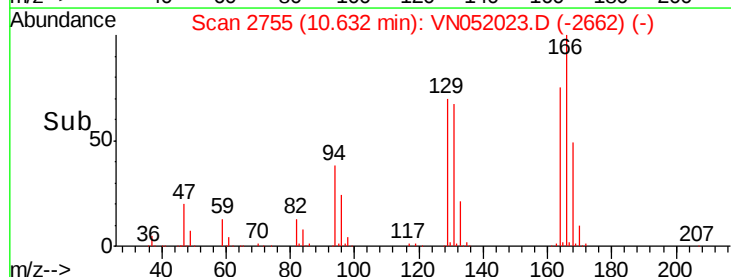
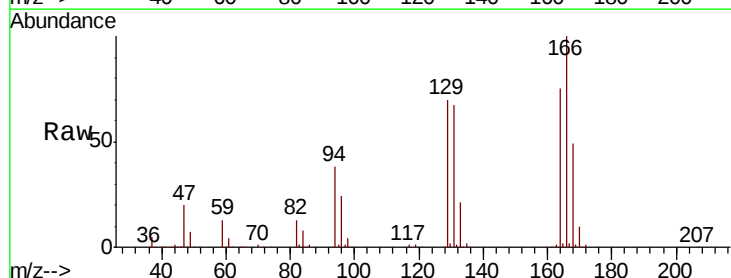
Manual Integrations
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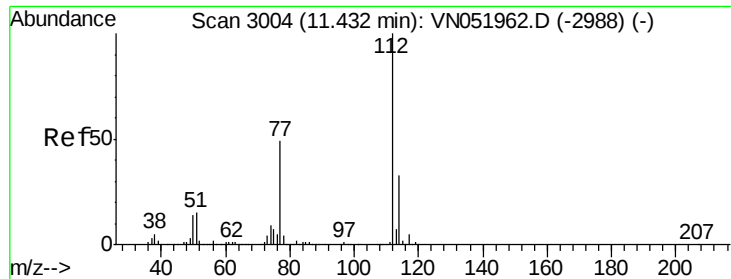
MMDadoda
10/29/2018 3:46:33 PM



#64
Tetrachloroethene
Concen: 20.661 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion:164 Resp: 254641
Ion Ratio Lower Upper
164 100
166 132.6 103.1 154.7
129 92.2 73.6 110.4
131 89.2 70.3 105.5





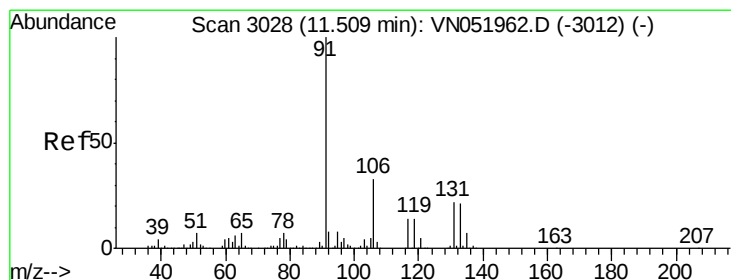
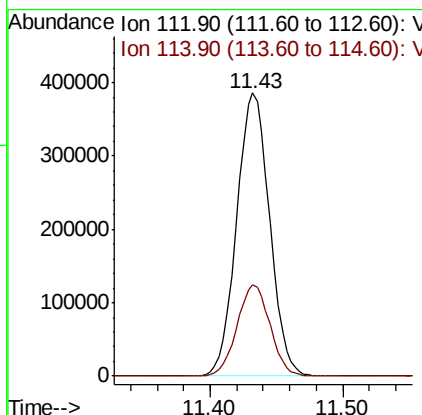
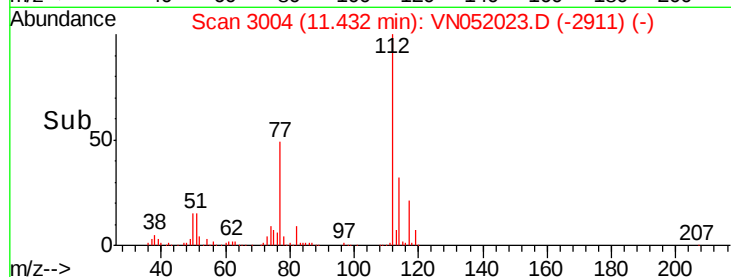
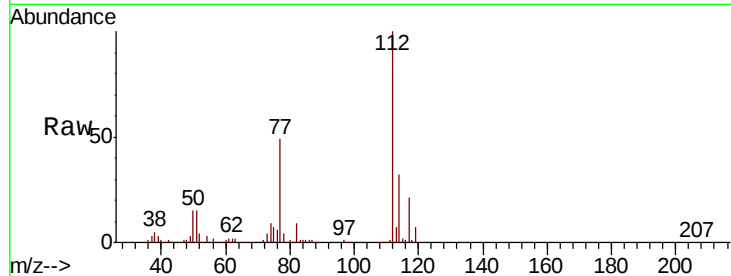
#65
Chlorobenzene
Concen: 20.486 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion:112 Resp: 664174
Ion Ratio Lower Upper
112 100
114 32.3 26.1 39.1

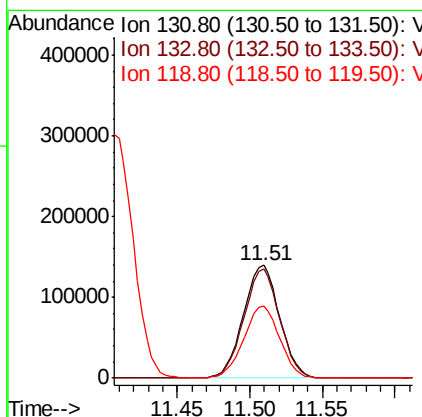
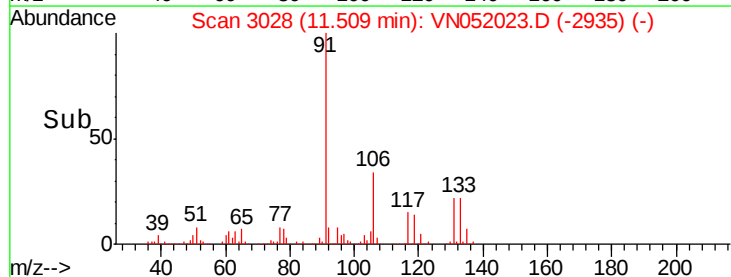
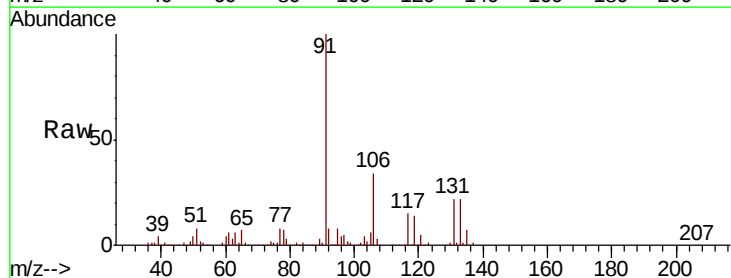
Manual Integrations
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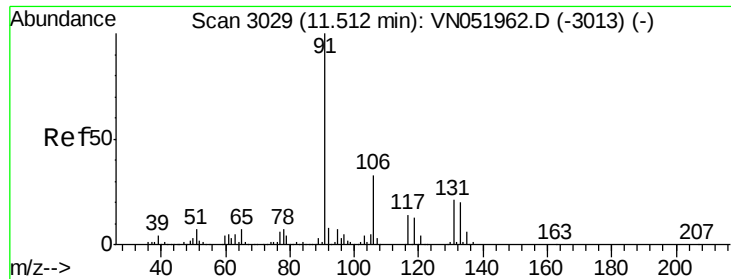
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.827 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion:131 Resp: 242704
Ion Ratio Lower Upper
131 100
133 95.3 47.8 143.3
119 63.5 32.0 96.2





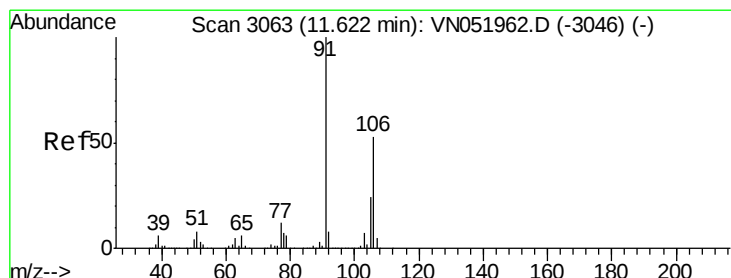
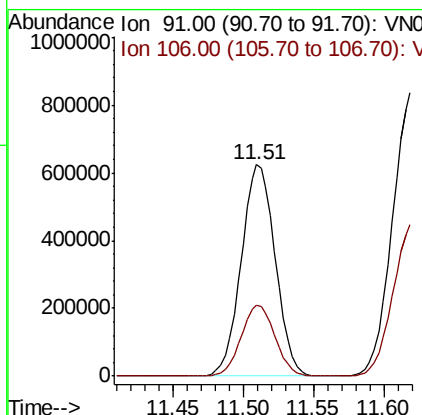
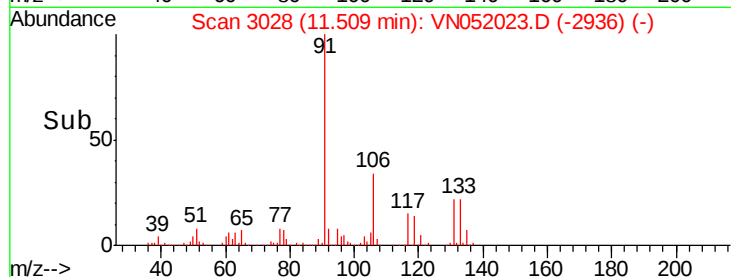
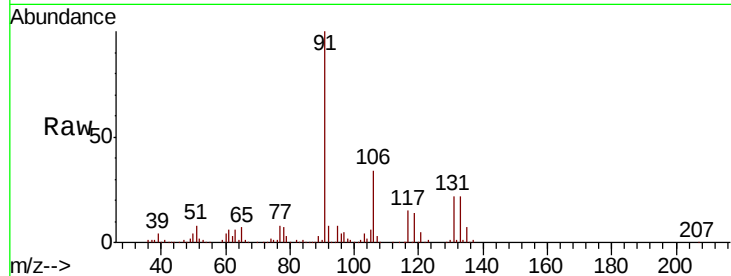
#67
Ethyl Benzene
Concen: 20.201 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion: 91 Resp: 1052745
Ion Ratio Lower Upper
91 100
106 33.6 26.4 39.6

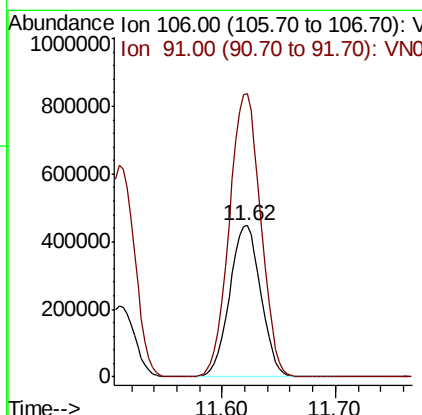
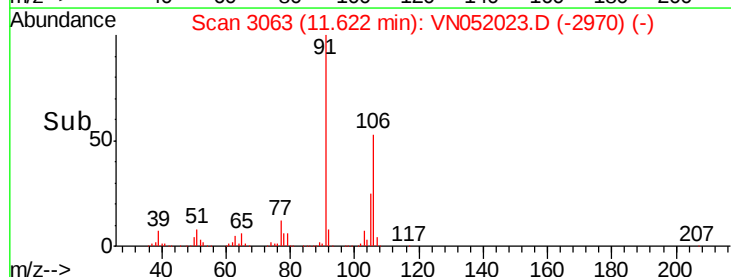
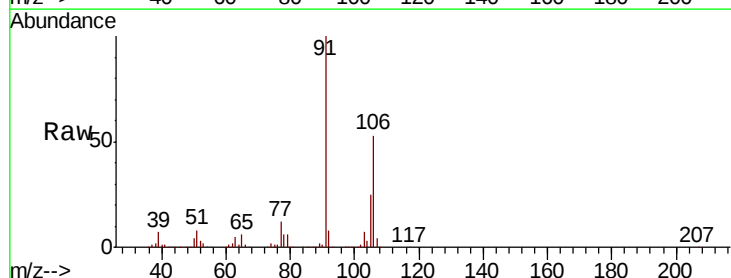
Manual Integrations
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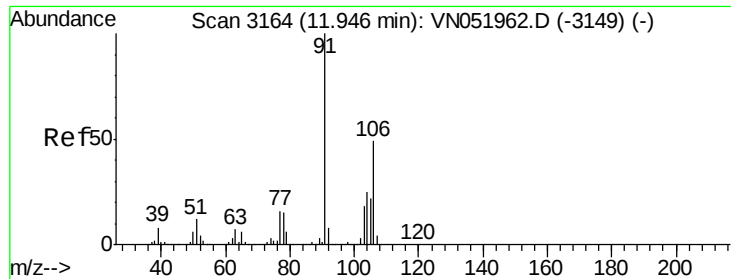
MMDadoda
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#68
m/p-Xylenes
Concen: 41.225 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion: 106 Resp: 858389
Ion Ratio Lower Upper
106 100
91 188.3 152.2 228.2





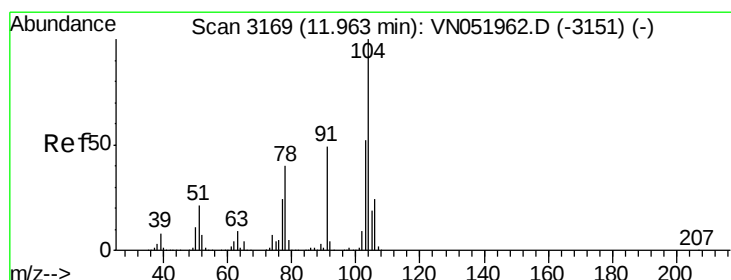
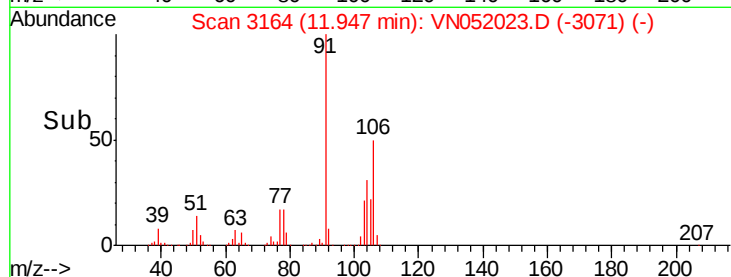
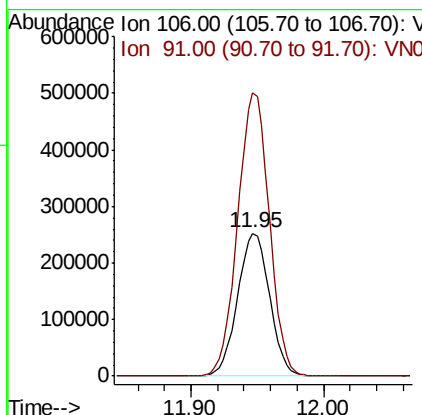
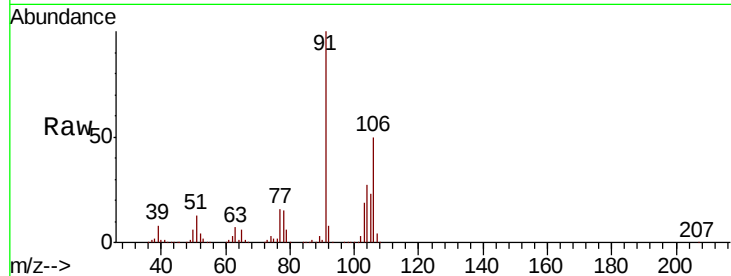
#69
o-Xylene
Concen: 20.822 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion:106 Resp: 421642
Ion Ratio Lower Upper
106 100
91 196.7 101.0 303.0

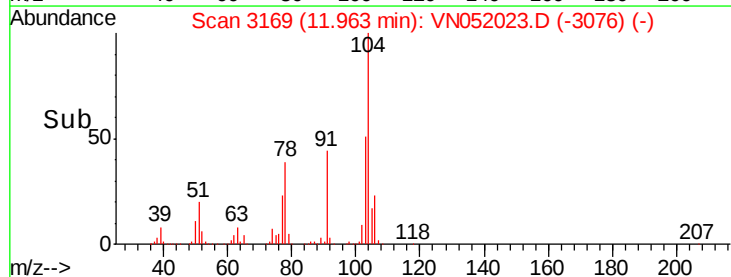
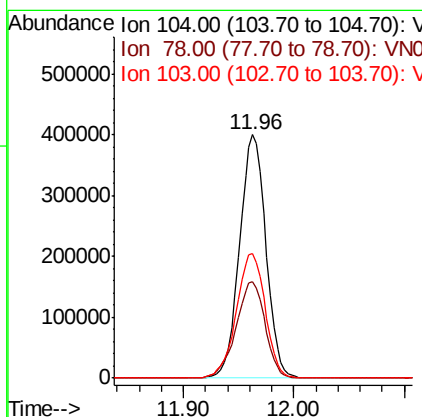
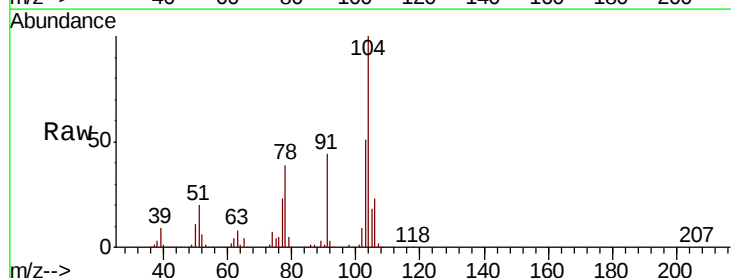
Manual Integrations
APPROVED

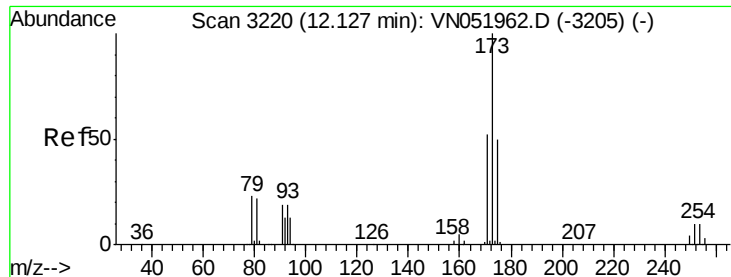
MMDadoda
10/29/2018 3:46:33 PM



#70
Styrene
Concen: 20.396 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion:104 Resp: 660124
Ion Ratio Lower Upper
104 100
78 43.7 35.8 53.6
103 56.2 44.9 67.3





#71

Bromoform

Concen: 18.245 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

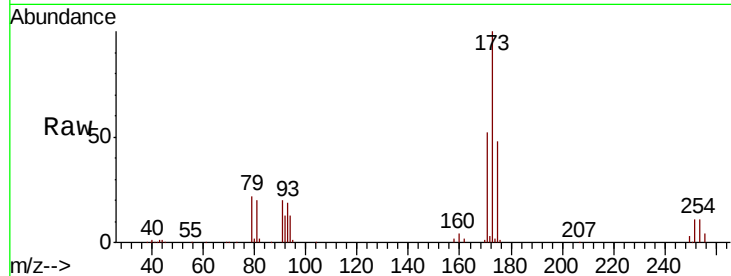
ClientSampleId :

VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	74.0
254	0.0	0.1	0.1#

Manual Integrations
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10/29/2018 3:46:33 PM

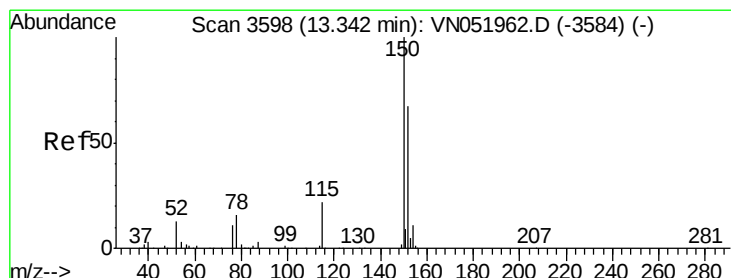
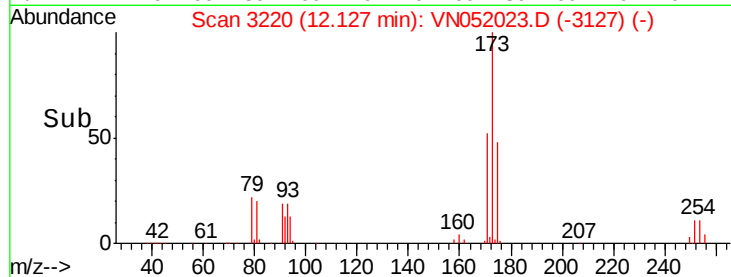
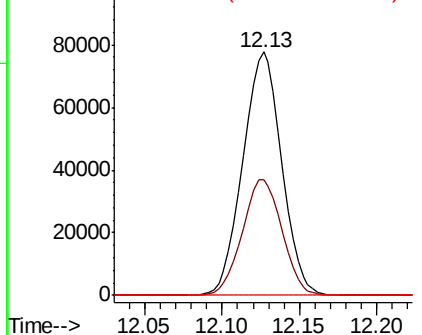


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

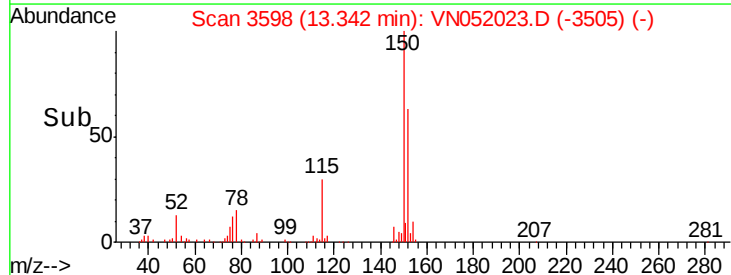
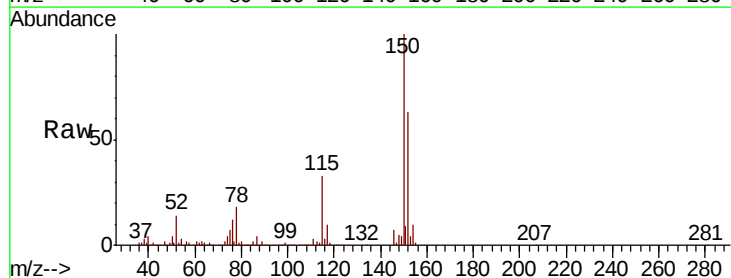
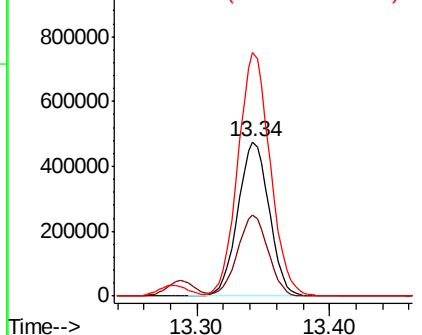
Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.5	25.8	77.3
150	163.1	0.0	344.4

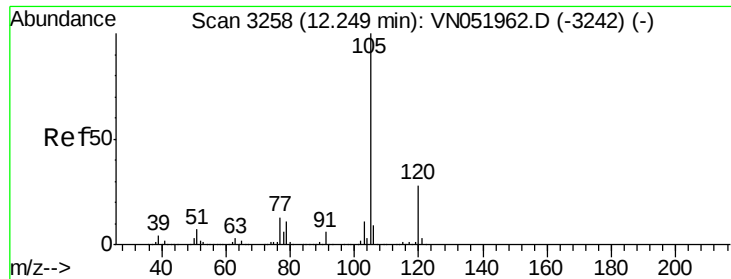
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.292 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion:105 Resp: 1099023

Ion Ratio Lower Upper

105 100

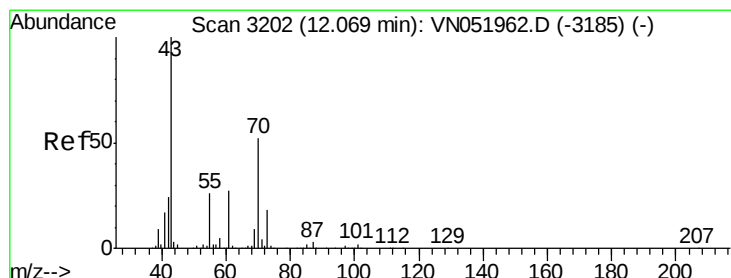
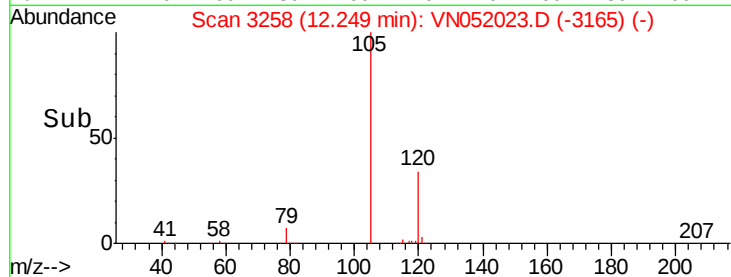
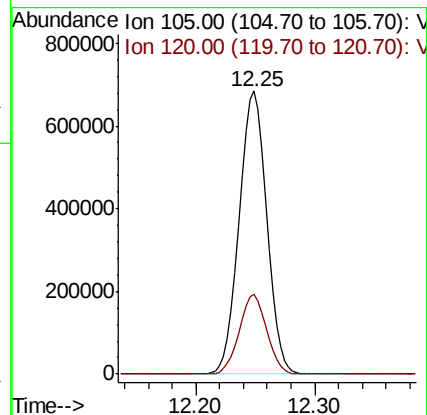
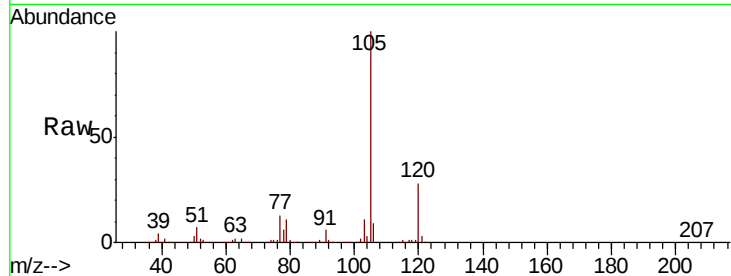
120 28.0 14.0 41.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.796 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Tgt Ion: 43 Resp: 182395

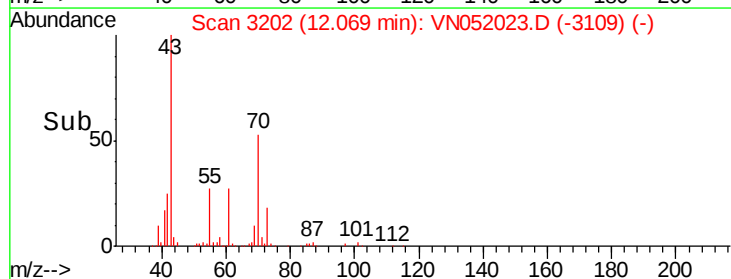
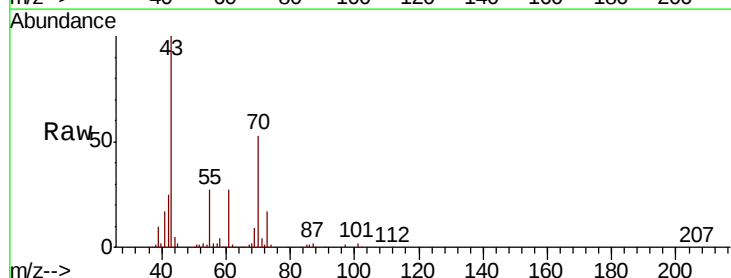
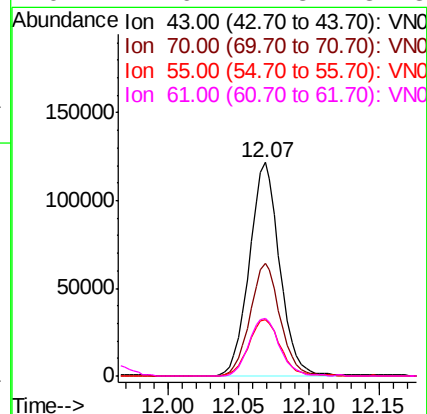
Ion Ratio Lower Upper

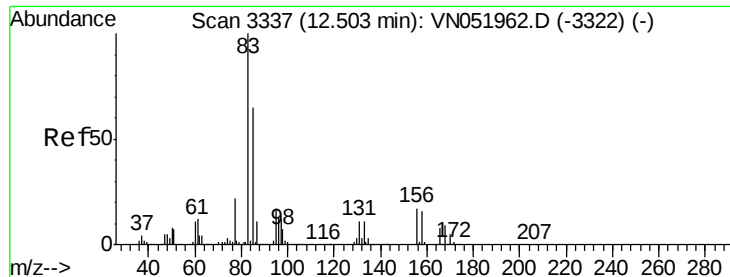
43 100

70 53.1 41.3 61.9

55 28.0 21.2 31.8

61 27.6 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.790 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 83 Resp: 201598
Ion Ratio Lower Upper

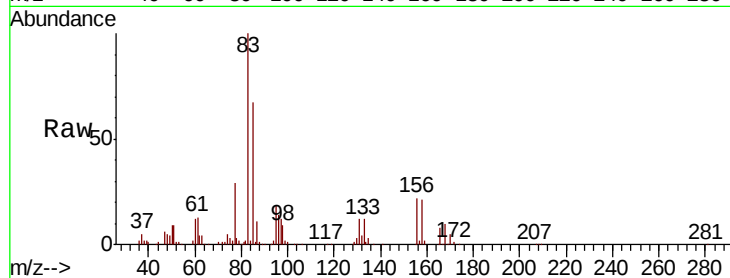
83 100

131 12.8 6.2 18.6

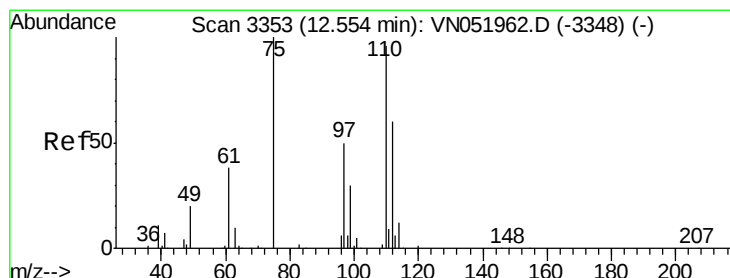
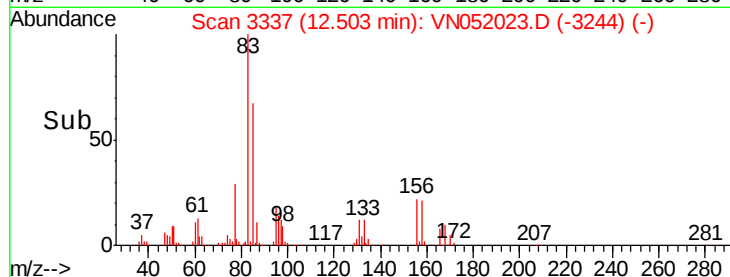
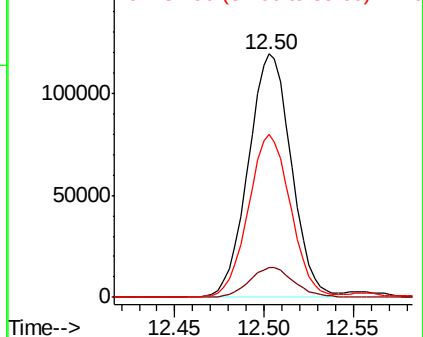
85 65.8 32.7 98.1

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 21.254 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

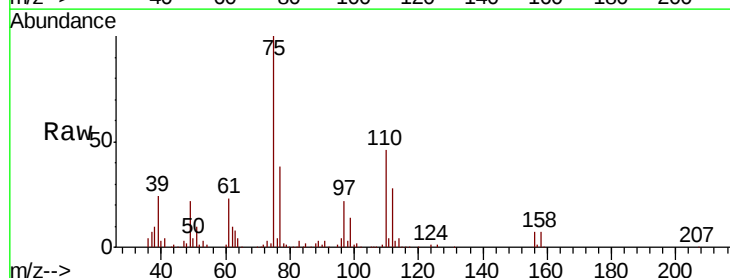
Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

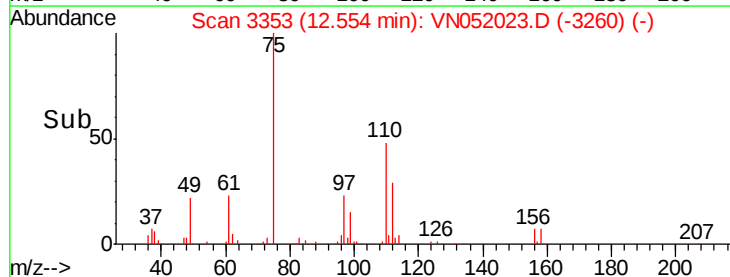
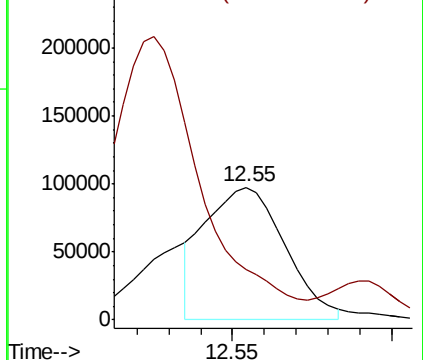
Tgt Ion: 75 Resp: 170662
Ion Ratio Lower Upper

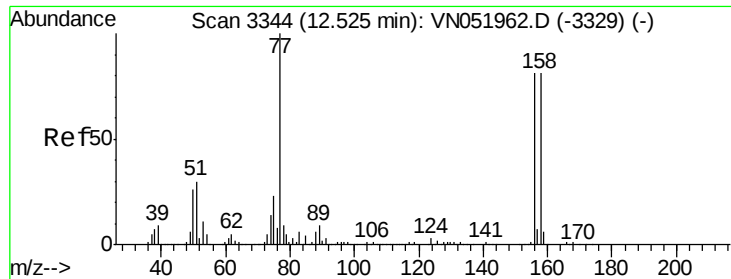
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 23.005 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion:156 Resp: 313009

Ion Ratio Lower Upper

156 100

77 132.5 71.1 213.3

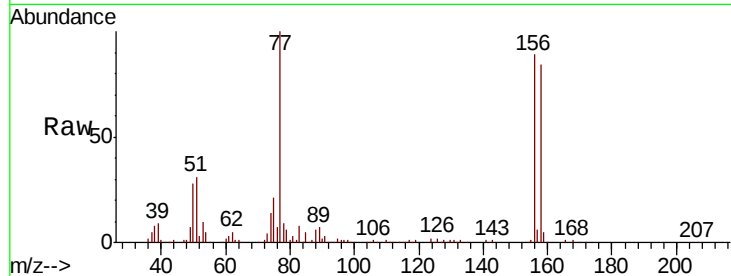
158 96.2 49.3 147.8

Manual Integrations

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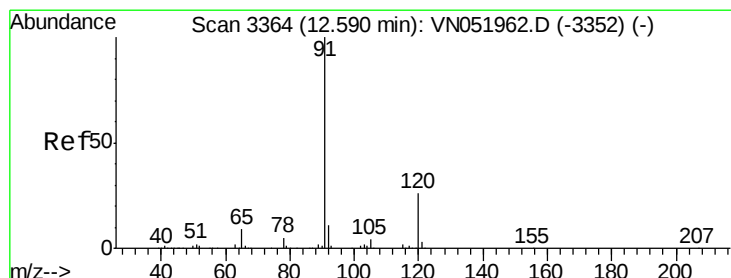
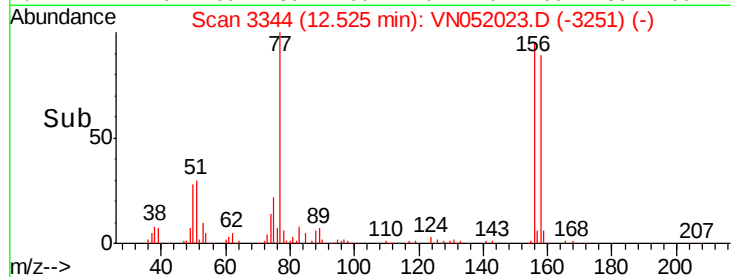
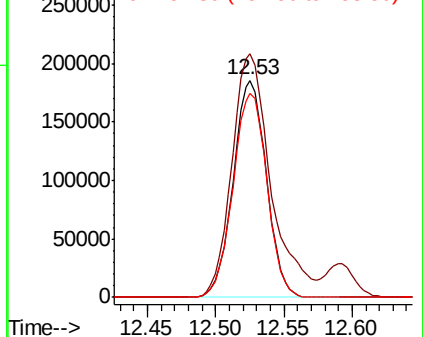
10/29/2018 3:46:33 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.737 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052023.D

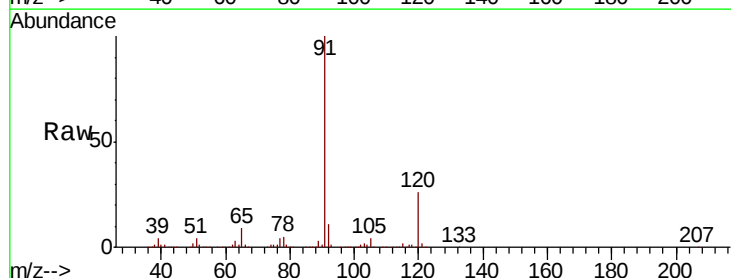
Acq: 26 Oct 2018 13:00

Tgt Ion: 91 Resp: 1156053

Ion Ratio Lower Upper

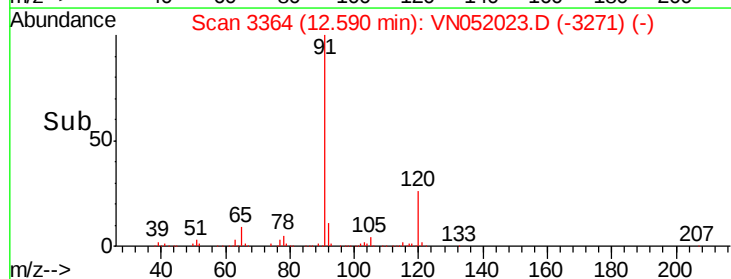
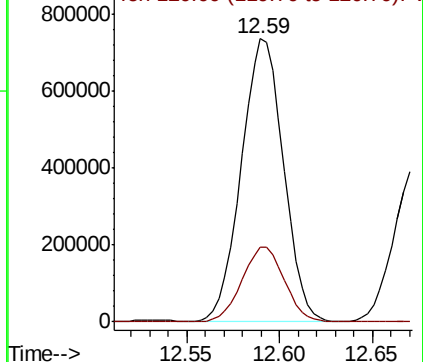
91 100

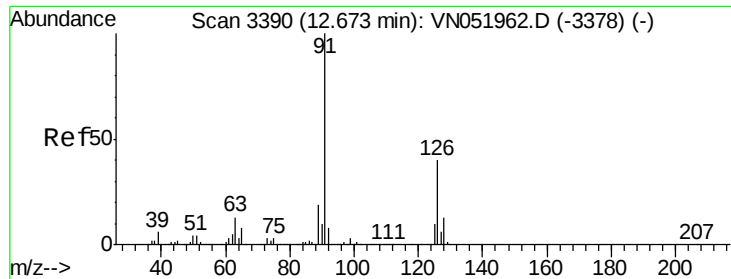
120 26.7 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.006 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 91 Resp: 681526

Ion Ratio Lower Upper

91 100

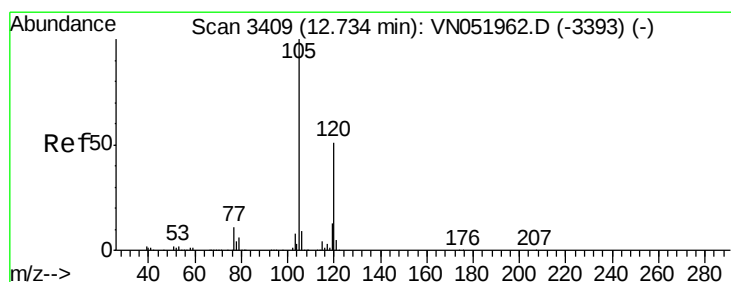
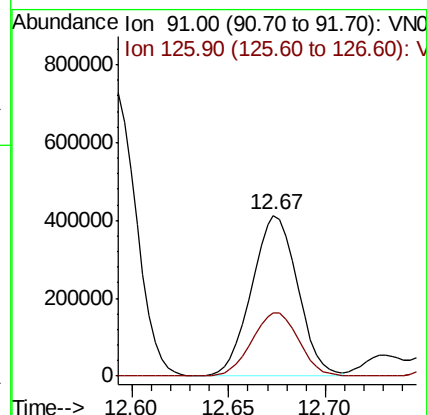
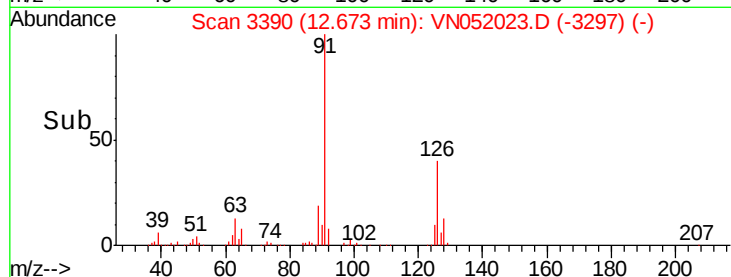
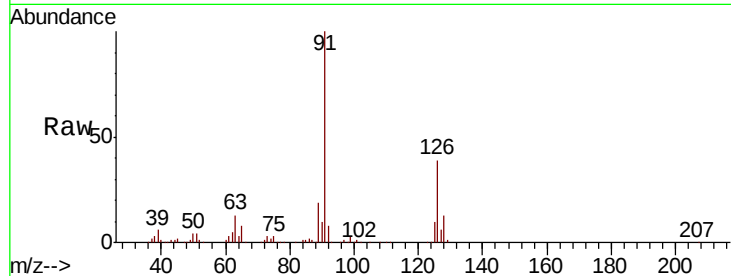
126 40.4 20.1 60.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.079 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052023.D

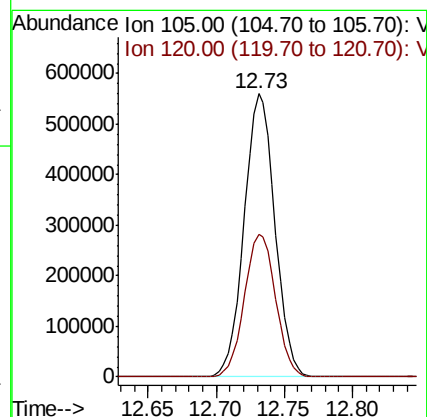
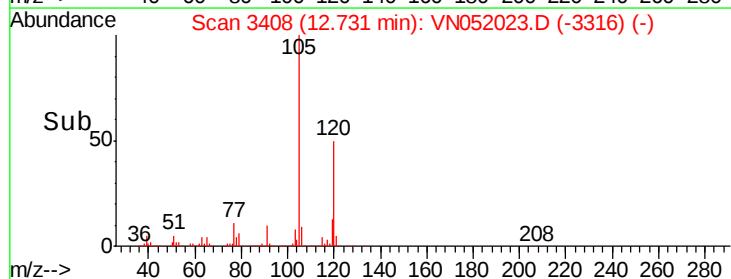
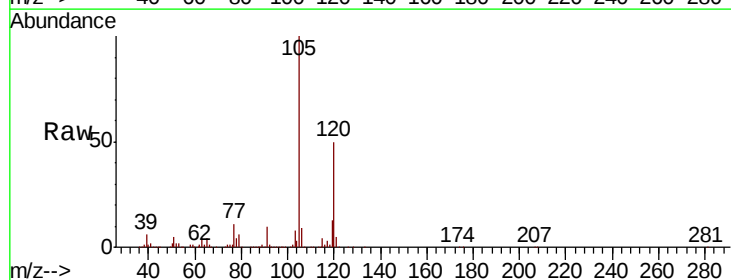
Acq: 26 Oct 2018 13:00

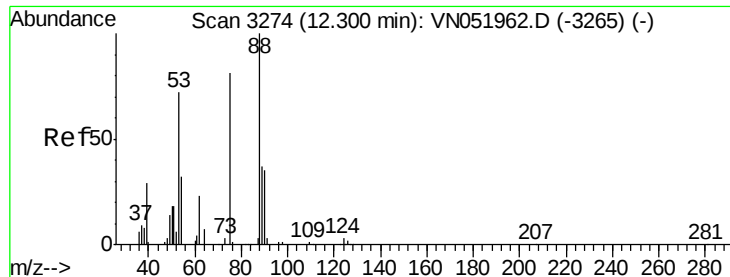
Tgt Ion: 105 Resp: 873321

Ion Ratio Lower Upper

105 100

120 51.4 25.7 77.1





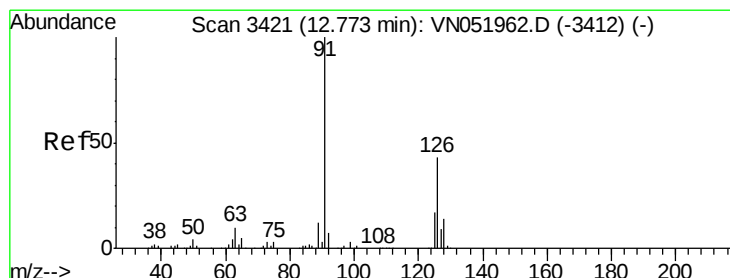
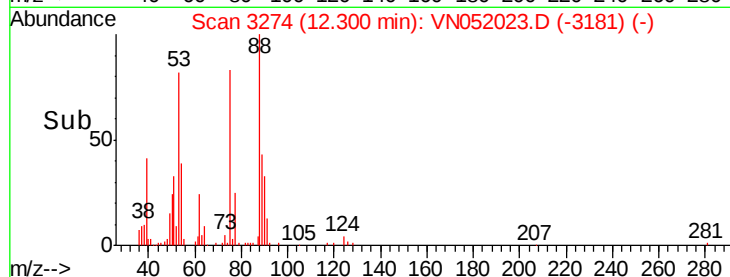
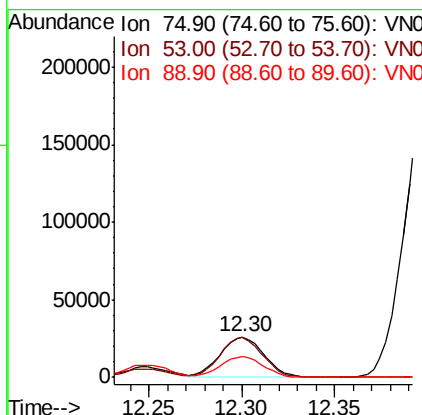
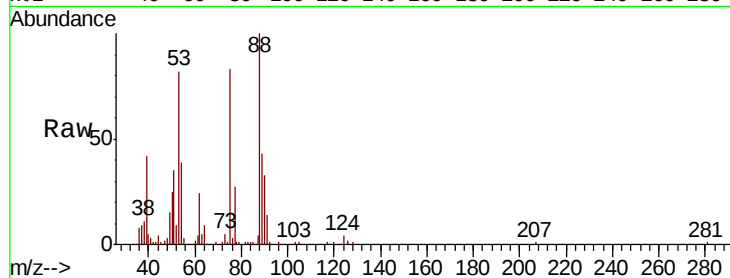
#81
trans-1,4-Dichloro-2-butene
Concen: 18.522 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.9	73.5	110.3
89	50.4	41.6	62.4

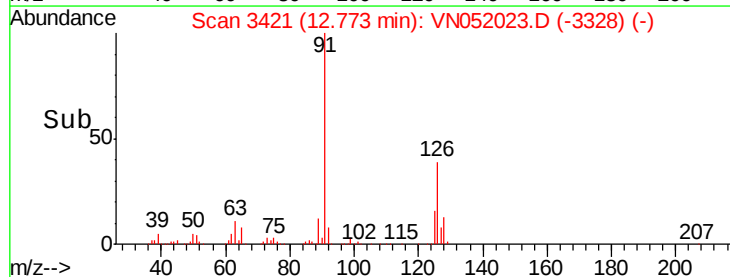
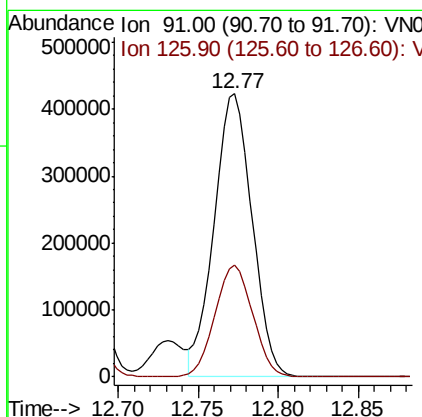
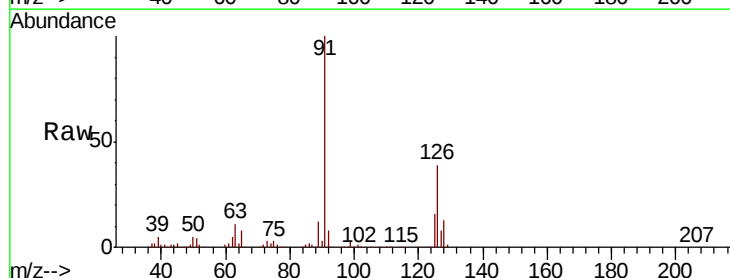
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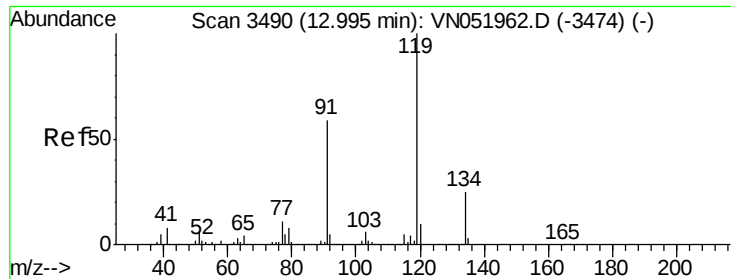
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#82
4-Chlorotoluene
Concen: 21.563 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	39.2	19.7	59.0





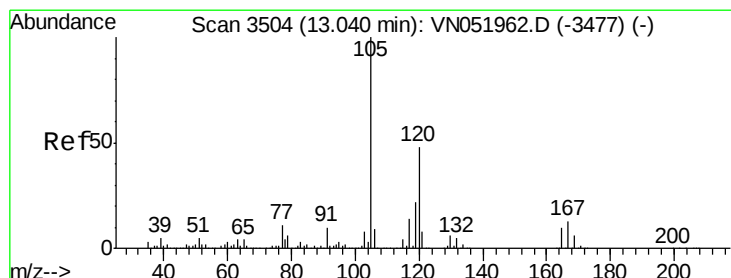
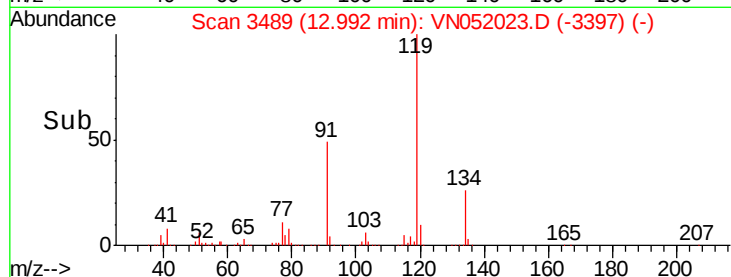
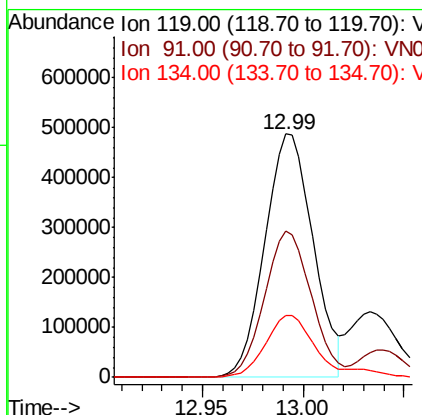
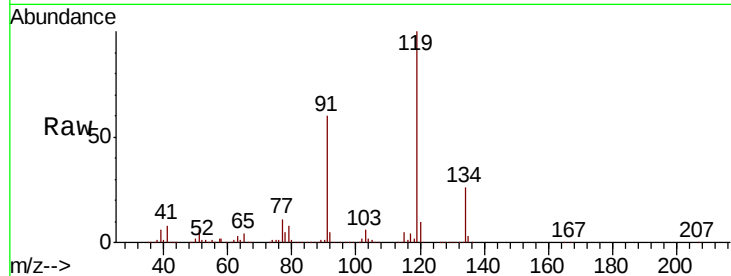
#83
tert-Butylbenzene
Concen: 21.654 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.5	28.8	86.4
134	27.7	13.4	40.1

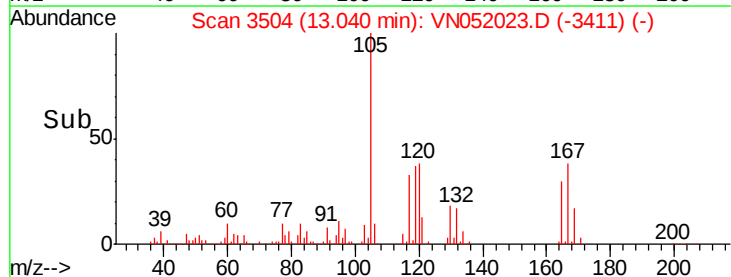
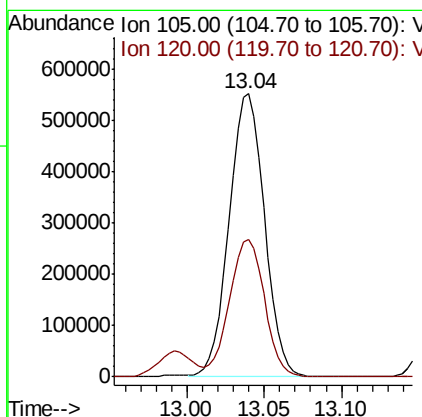
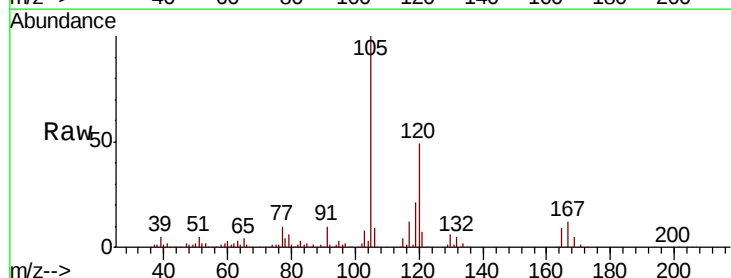
Manual Integrations
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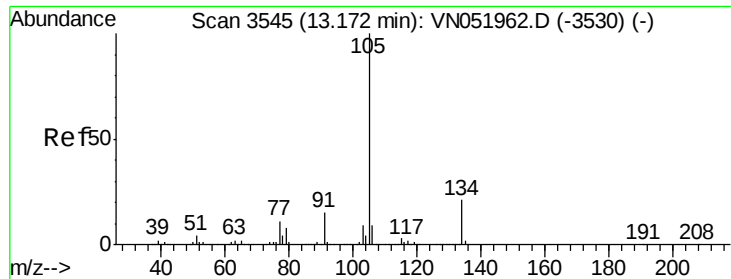
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#84
1,2,4-Trimethylbenzene
Concen: 21.460 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.8	71.5





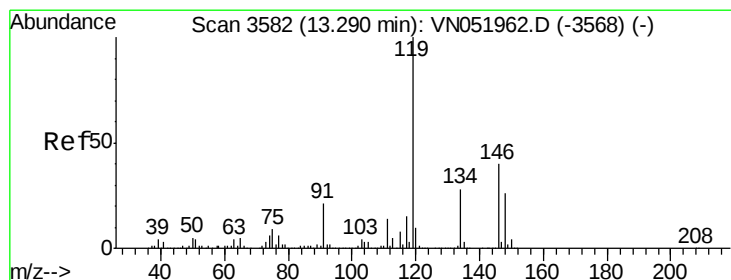
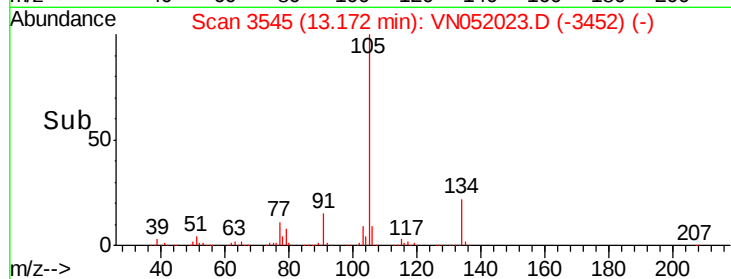
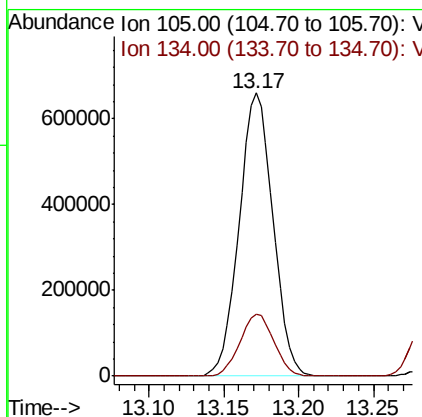
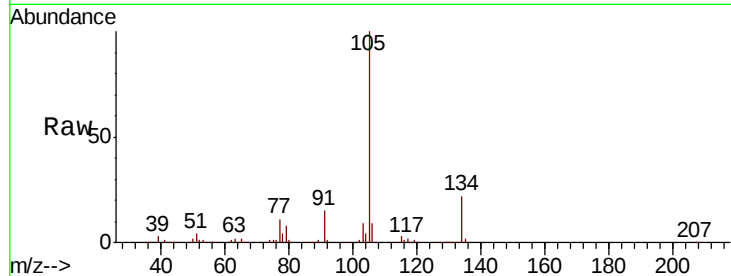
#85
 sec-Butylbenzene
 Concen: 21.234 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

Tot Ion:105 Resp: 1037495
 Ion Ratio Lower Upper
 105 100
 134 22.0 10.9 32.9

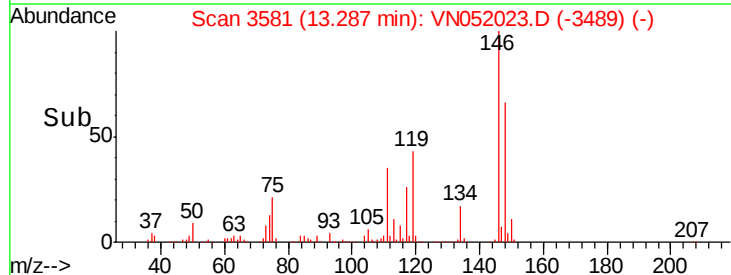
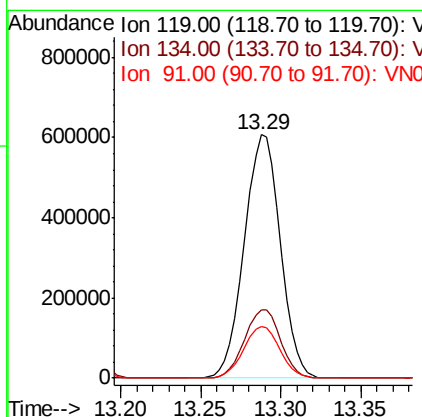
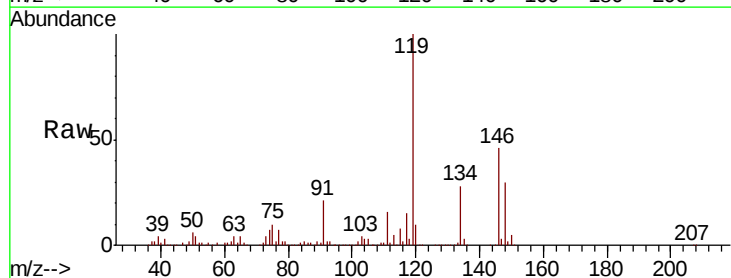
Manual Integrations
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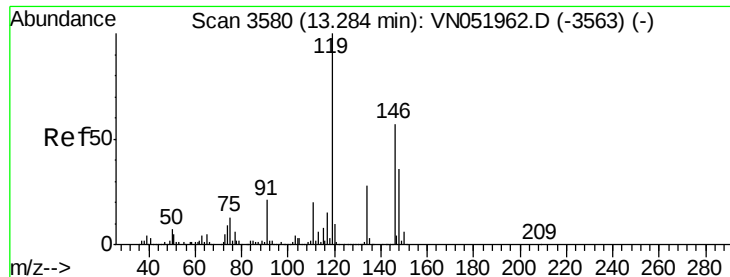
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 10/29/2018 3:46:33 PM



#86
 p-Isopropyltoluene
 Concen: 21.144 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion:119 Resp: 930086
 Ion Ratio Lower Upper
 119 100
 134 28.3 13.9 41.7
 91 21.3 10.6 31.8





#87

1,3-Dichlorobenzene

Concen: 20.735 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN052023.D

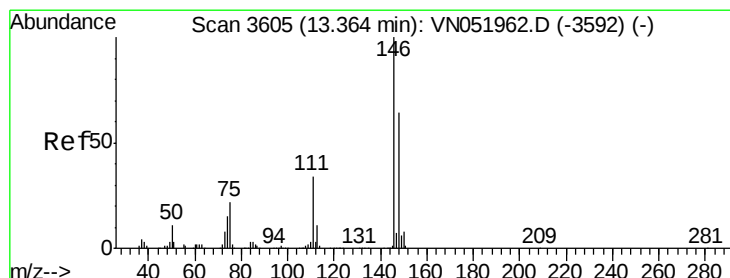
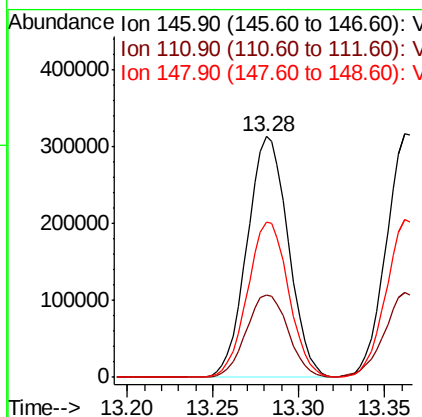
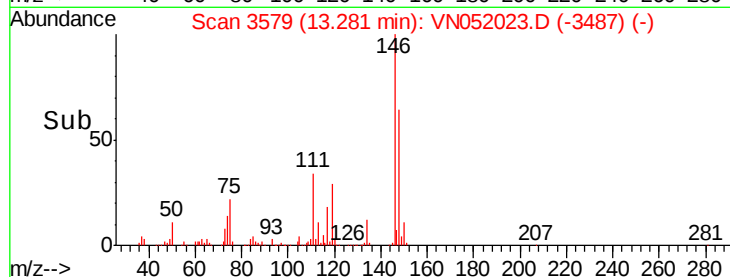
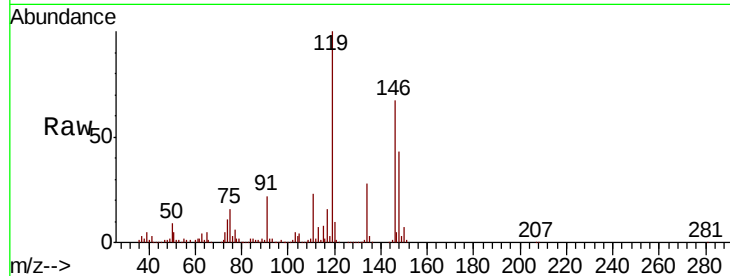
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.8	17.6	52.8
148	64.1	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.741 ug/l

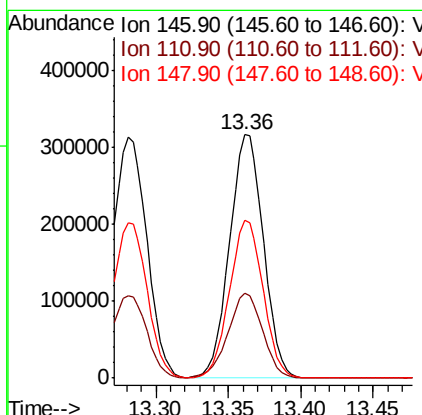
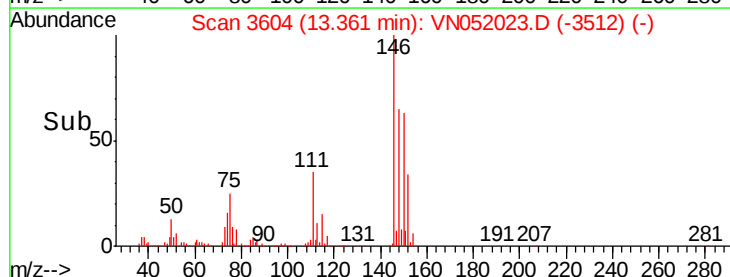
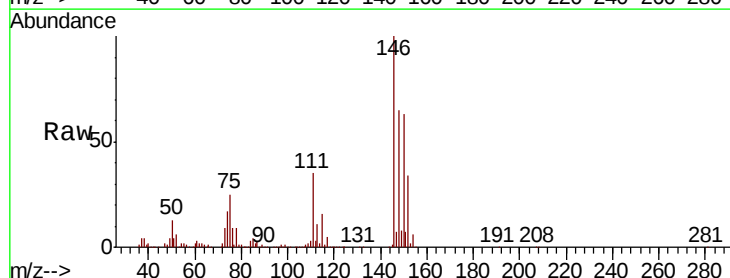
RT: 13.36 min Scan# 3604

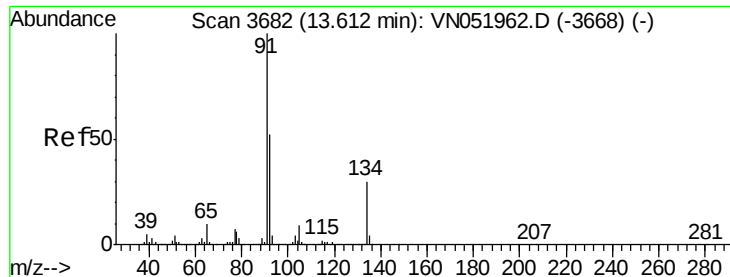
Delta R.T. -0.00 min

Lab File: VN052023.D

Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	17.3	51.7
148	64.3	32.1	96.3





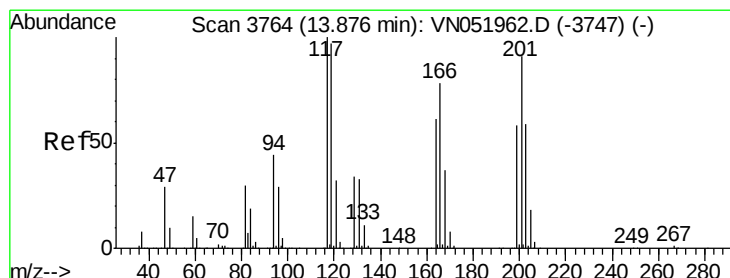
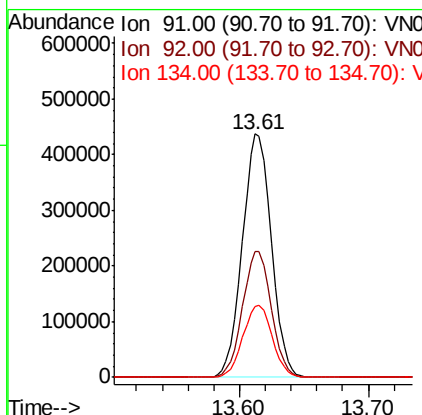
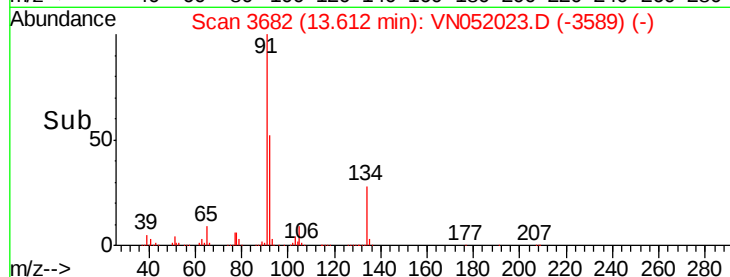
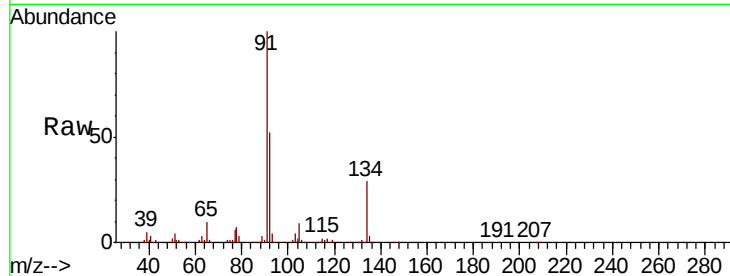
#89
n-Butylbenzene
Concen: 19.524 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.9	77.8
134	29.9	15.2	45.6

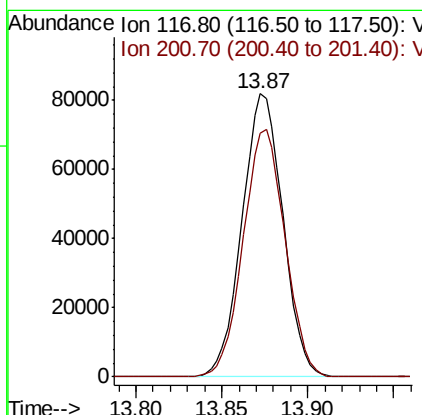
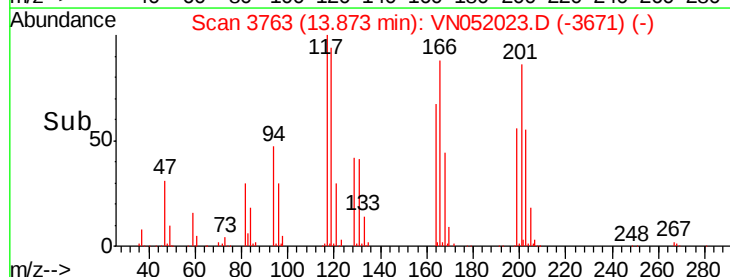
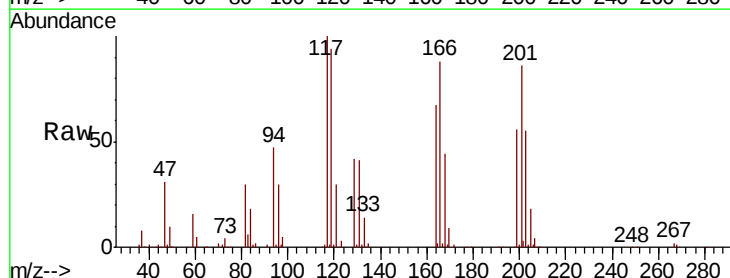
Manual Integrations
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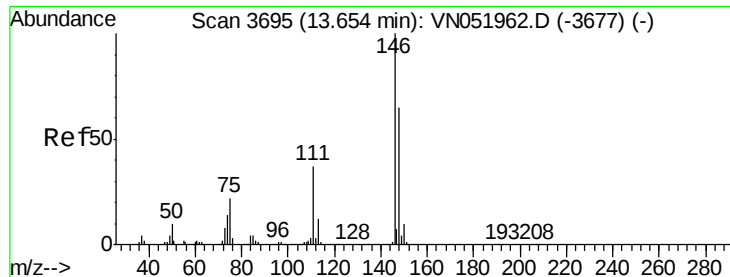
MMDadoda
10/29/2018 3:46:33 PM



#90
Hexachloroethane
Concen: 20.602 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.5	45.6	136.9





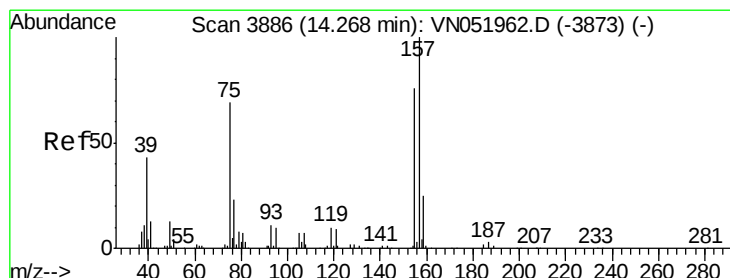
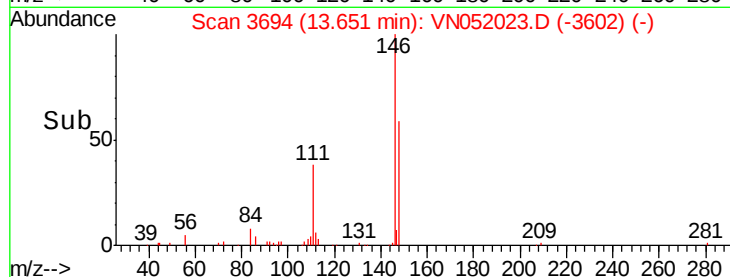
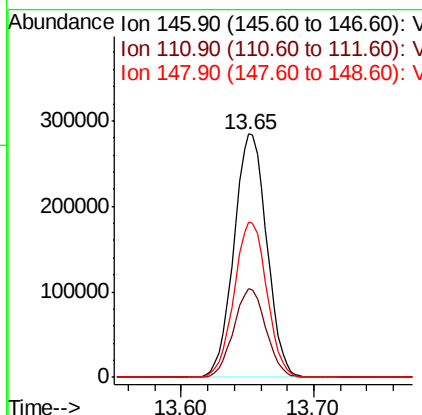
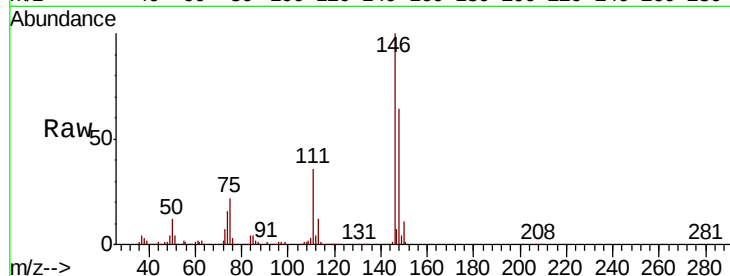
#91
 1,2-Dichlorobenzene
 Concen: 20.104 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	488058		
111	35.8	18.3	54.9	
148	63.7	32.4	97.0	

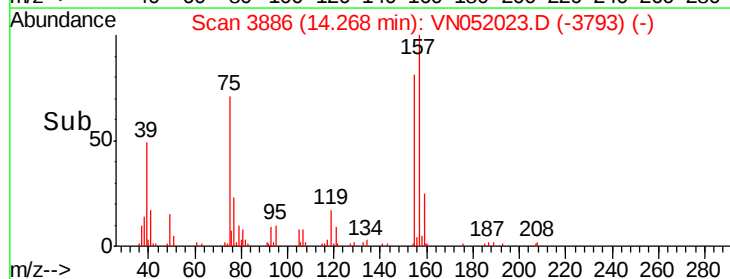
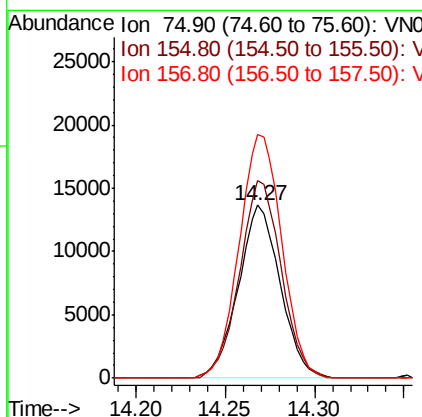
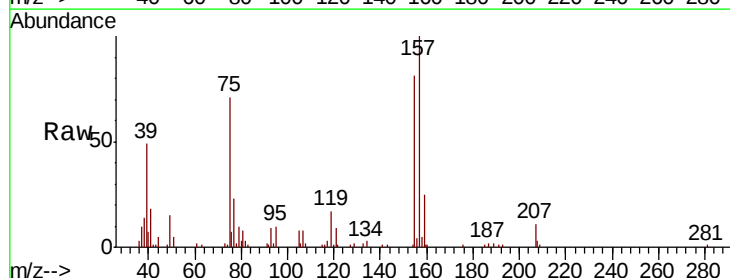
Manual Integrations
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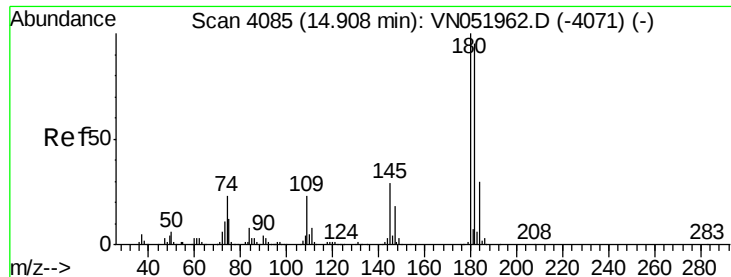
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.315 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22390		
155	113.3	56.0	167.9	
157	142.8	73.9	221.6	





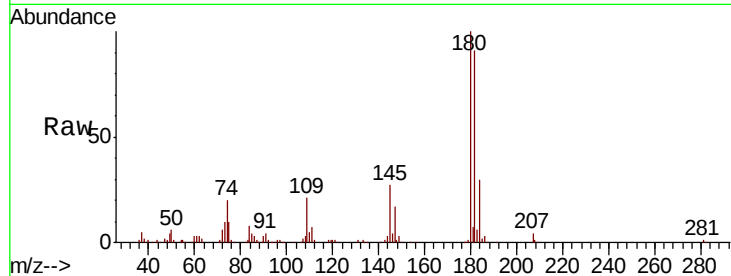
#93
 1,2,4-Trichlorobenzene
 Concen: 12.581 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	180408		
182	92.6	47.8	143.4	
145	28.0	14.5	43.5	

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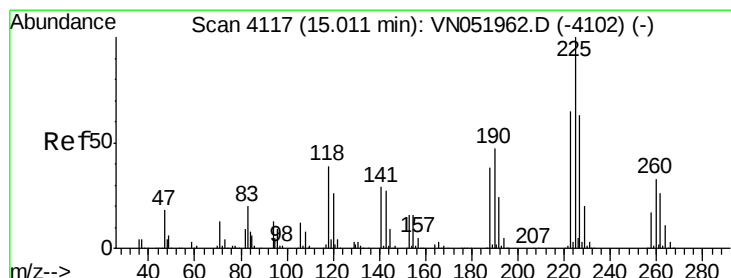
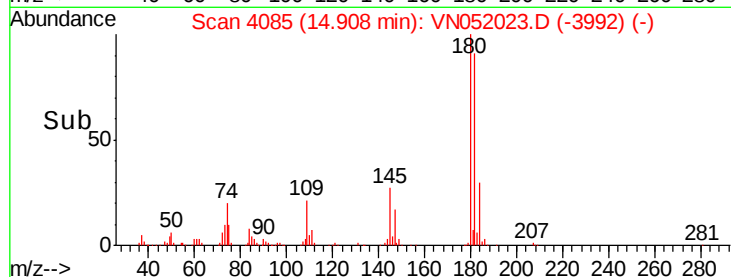
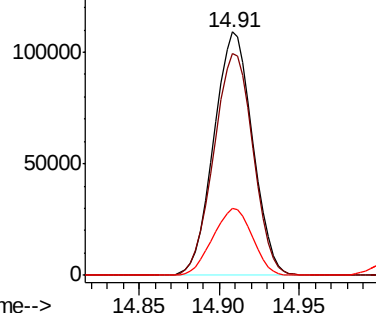


Abundance

Ion 179.80 (179.50 to 180.50): V

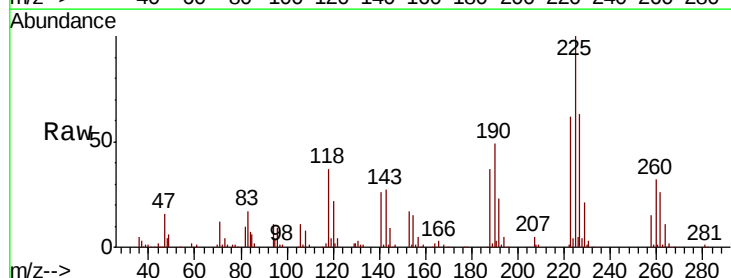
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 15.827 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052023.D
 Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	116620		
223	62.9	31.8	95.4	
227	62.9	31.4	94.2	

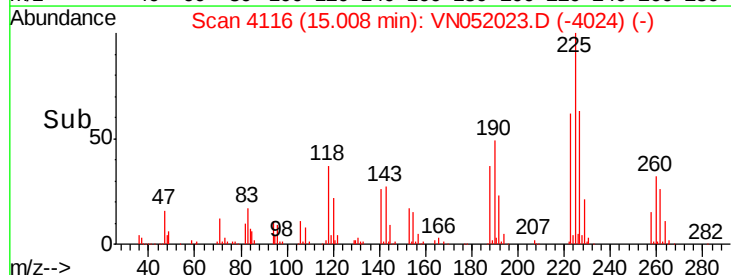
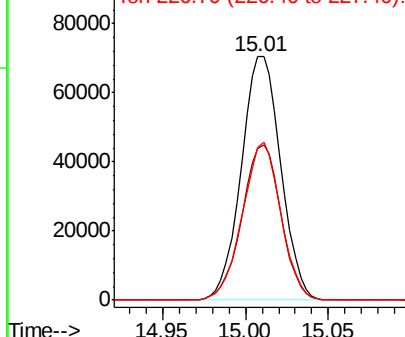


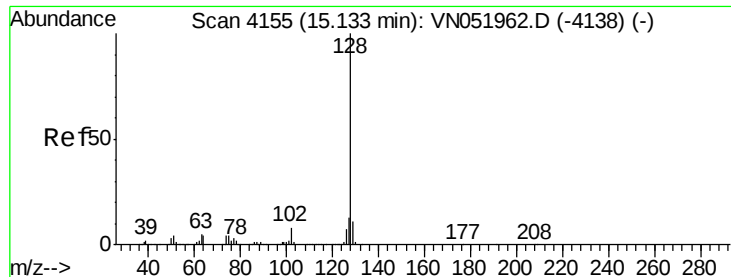
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





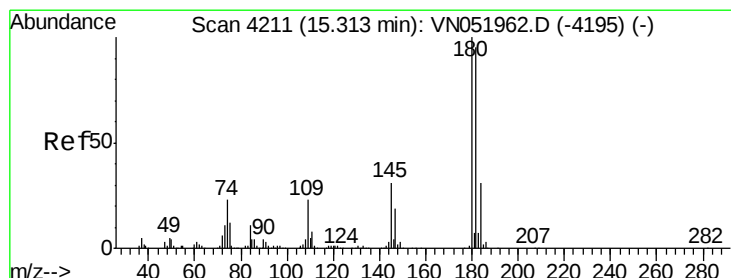
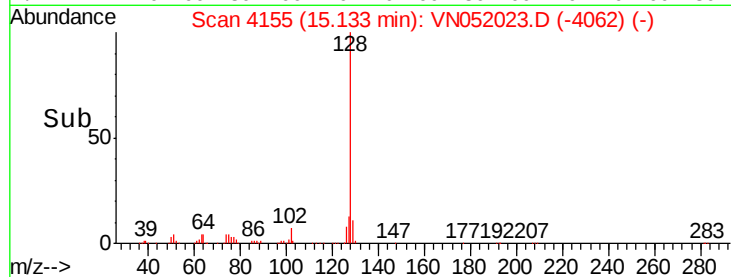
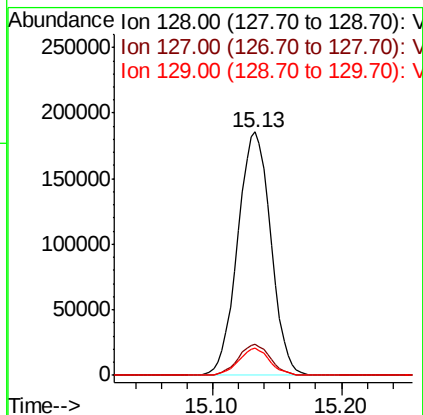
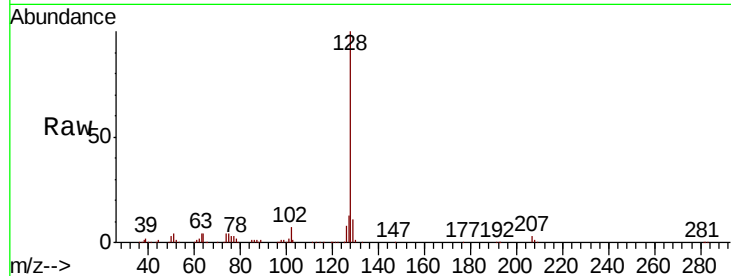
#95
Naphthalene
Concen: 10.656 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	10.6	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 10.381 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052023.D
Acq: 26 Oct 2018 13:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.6
145	30.1	15.4	46.2

